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3814.402 Million cell updates/sec

Title: US-09-912-968A-7

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Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters:

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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c 98	17.2	78.2	426	19	US-10-021-123-15875	Sequence 15875, A	c 171	15.8	71.8	1509	21	Sequence 124, App
c 99	17.2	78.2	472	18	US-10-424-599-92583	Sequence 92583, A	c 172	15.8	71.8	1872	17	Sequence 11653, A
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c 107	17.2	78.2	718	21	US-10-487-901-5765	Sequence 5765, App	c 180	15.8	71.8	17082	9	Sequence 229, App
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OM nucleic - nucleic search, using SW model

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Total number of hits satisfying chosen parameters:

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Listing first 500 summaries

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SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	22	100.0	632	14 US-10-015-637-7	Sequence 7 , Appl
3	22	100.0	761	18 US-10-012-699B-1964	Sequence 1964 , Appl
4	22	100.0	824	18 US-10-012-699B-1966	Sequence 1966 , Appl
5	22	100.0	835	18 US-10-012-699B-1966	Sequence 1960 , Appl
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19	22	100.0	10900	18 US-10-075-430-6	Sequence 6 , Appl	
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c 131	18	69.2	185111	2	AC018707	Homo sapi	AC003999	Homo sapi
c 132	18	69.2	185310	2	AC120491	Oryza sat	AC005475	Zebrafish
c 133	18	69.2	188030	8	CNS08CTW	Homo sapi	AL603765	Human DNA
c 134	18	69.2	188030	9	AC092937	Homo sapi	AC022023	Homo sapi
c 135	18	69.2	198315	9	AL158158	Human DNA	AC009591	Homo sapi
c 136	18	69.2	199200	9	AL359633	Human DNA	AC025224	Homo sapi
c 137	18	69.2	208709	10	AC126270	Mus muscu	AC023891	Mouse DNA
c 138	18	69.2	208709	5	BX640456	Zebratish	AC025224	Homo sapi
c 139	18	69.2	216547	2	AC095682	Rattus no	AC025224	Homo sapi
c 140	18	69.2	217145	10	AC141647	Mus muscu	AF238975	Homo sapi
c 141	18	69.2	218074	9	AC023283	Homo sapi	AC141329	Mus muscu
c 142	18	69.2	228021	2	AC028585	Rattus no	AC110663	Bos tauru
c 143	18	69.2	231001	2	AC124869	Rattus no	AC150540	Bos tauru
c 144	18	69.2	238943	2	AC133701	Rattus no	AC119615	Rattus no
c 145	18	69.2	243775	2	AC134296	Rattus no	AC016050	Mus muscu
c 146	18	69.2	251158	2	AC117023	Rattus no	AY016021	Mus muscu
c 147	18	69.2	252914	2	AC015768	Rattus no	AC020570	Homo sapi
c 148	18	69.2	255560	2	AC117049	Rattus no	AC100782	Homo sapi
c 149	18	69.2	262429	2	AC132731	Rattus no	BS000057	Homo sapi
c 150	18	69.2	265703	2	AC118304	Rattus no	AL672259	Mouse DNA
c 151	18	69.2	278840	6	CQ140264	Sequence	AC016393	Homo sapi
c 152	18	69.2	278804	1	AC0102428	Sequence	AC13924	Homo sapi
c 153	18	69.2	285338	2	AC129052_2	Continuation (3 of	AC131922	Mus muscu
c 154	18	69.2	286756	1	AP000990	Sulfolobu	AC021913	Homo sapi
c 155	17.8	68.5	596	6	CQ101271	Sequence	AC144613	Homo sapi
c 156	17.8	68.5	596	6	CQ335732	Sequence	AL19357	Human DNA
c 157	17.8	68.5	596	6	AC129052	Continuation (3 of	AC114578	Mus muscu
c 158	17.8	68.5	110000	2	AP000996	Thermopla	AC11578	Rattus no
c 159	17.8	68.5	120538	2	BX927216	Danio rer	AC13924	Xenopus t
c 160	17.8	68.5	141796	9	AP01988	Homo sapi	AC147336	Zebrafish
c 161	17.8	68.5	149506	2	AC150962	Bos tauru	AC118200	Mus muscu
c 162	17.8	68.5	15916	2	AC147336	Xenopus t	AC118200	Mus muscu
c 163	17.8	68.5	164557	5	BX248312	Zebrafish	AC1139187	Human DNA
c 164	17.8	68.5	166329	9	AL139187	Human DNA	AC021732	Homo sapi
c 165	17.8	68.5	168674	2	AC021732	Sequence	AC097294	Rattus no

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OM nucleic - nucleic search, using bw model

Run on: July 5, 2005, 11:52:58 ; Search time 312.549 Seconds
 (without alignment)

Perfect score: 4030.848 Million cell updates/sec

Title: US-09-912-968A-8

Sequence: 1 tgccataatactcgaaactcgttggaa 26

Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters:

9416466

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : GenEmbl:*

1: gb_ba:*

2: gb_btg:*

3: gb_in:*

4: gb_cm:*

5: gb_ov:*

6: gb_pat:*

7: gb_Dh:*

8: gb_Dp:*

9: gb_pr:*

10: gb_ro:*

11: gb_sts:*

12: gb_sy:*

13: gb_un:*

14: gb_vl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	26	100.0	26	6	AX55236		AY55236 Sequence
c	2	26	100.0	197	6	I19556	I19556 Sequence
c	3	26	100.0	632	6	AX453287	AX453287 Sequence
c	4	26	100.0	645	8	PEARBCOSS	M21375 Pisum sativ
c	5	26	100.0	2351	8	PSRC01	X00806 Pea Gene Fo
c	6	26	100.0	8012	6	AR143709	AR143709 Sequence
c	7	26	100.0	8012	6	BDD08400	Glyphosat
c	8	26	100.0	8418	6	AR143713	AR143713 Sequence
c	9	26	100.0	8418	6	BDD08404	Glyphosat
c	10	26	100.0	8793	6	AR143712	AR143712 Sequence
c	11	26	100.0	8798	6	BDD08403	Glyphobat
c	12	26	100.0	10846	6	AR225313	AR225313 Sequence
c	13	26	100.0	10846	6	AR438378	AR438378 Sequence
c	14	26	100.0	10846	6	AR431631	AR431631 Sequence
c	15	26	100.0	10847	6	BDD062173	Expressio
c	16	26	100.0	10900	6	AR225314	AR225314 Sequence
c	17	26	100.0	10900	6	AR438379	AR438379 Sequence
c	18	26	100.0	10900	6	AR431632	AR431632 Sequence
c	19	26	100.0	10901	6	BDD062174	Expressio

c	20	26	100.0	12614	6	AX052539	Sequence
c	21	24.4	93.8	3706	6	CQB67567	Sequence
c	22	24.4	93.8	3778	6	CQB67566	Sequence
c	23	22.8	87.7	619	8	PEARBPA	
c	24	22.8	87.7	10212	12	AB086434	Synthetic
c	25	22.8	87.7	10856	12	AB086433	Synthetic
c	26	22.8	87.7	11522	12	AF294981	Plant exp
c	27	22.8	87.7	11522	12	AF294981	Binary ve
c	28	22.8	87.7	12072	12	AF294982	Binary ve
c	29	22.8	87.7	12992	12	AF294982	Binary ve
c	30	22.8	87.7	14103	12	AF330636	Plant DNA
c	31	22.8	87.7	14203	12	AF294979	Binary ve
c	32	22.8	87.7	14230	12	AF294980	Binary ve
c	33	20	76.9	20	6	AX01937	
c	34	20	76.9	20	6	AX128200	Sequence
c	35	20	76.9	20	6	AX460967	Sequence
c	36	19.8	76.2	12477	1	AE006704	Sulfolobus
c	37	19.8	76.2	281244	1	SSU18930	
c	38	18.8	72.3	89340	9	AL355597	Human DNA
c	39	18.8	72.3	235738	2	AC134202	Rattus no
c	40	18.8	72.3	260809	2	AC126820	Rattus no
c	41	18.8	72.3	260809	2	AC126820	Rattus no
c	42	18.6	71.5	463	11	G23188	
c	43	18.6	71.5	1849	3	OOS40747	
c	44	18.6	71.5	16217	2	AC012853	Drosophil
c	45	18.6	71.5	68018	8	AC103668	Mus muscu
c	46	18.6	71.5	96233	9	AC090083	Homo sapi
c	47	18.6	71.5	108727	3	AC011761	Drosophil
c	48	18.6	71.5	158404	9	AC092835	Homo sapi
c	49	18.6	71.5	161610	5	AL929174	Zebrafish
c	50	18.6	71.5	167358	2	AC010673	Homo sapi
c	51	18.6	71.5	167372	10	AC124106	
c	52	18.6	71.5	178933	2	AC026626	Homo sapi
c	53	18.6	71.5	178933	2	AC093621	Homo sapi
c	54	18.6	71.5	18141	2	AC093621	Homo sapi
c	55	18.6	71.5	199204	10	AL672250	Mouse
c	56	18.6	71.5	215105	2	AC073717	Mus muscu
c	57	18.6	71.5	215612	2	AC148894	Otolemur
c	58	18.6	71.5	221539	2	AC120646	Rattus no
c	59	18.6	71.5	299666	3	AE003570	Drosophil
c	60	18.6	71.5	327059	2	AC123753	Mus muscu
c	61	18.4	70.8	166733	2	AC112941	Mus muscu
c	62	18.4	70.8	208456	2	AC138212	Mus muscu
c	63	18.4	70.8	349287	2	AC133952	Mus muscu
c	64	18.2	70.0	28678	6	CO870143	Sequence
c	65	18.2	70.0	115641	8	U95973	Arabidopsis
c	66	18.2	70.0	128382	9	HS0737E23	
c	67	18.2	70.0	150831	9	AC007719	Homo sapi
c	68	18.2	70.0	153187	10	AC011151	Homo sapi
c	69	18.2	70.0	158673	2	CR354344	Danio rer
c	70	18.2	70.0	168917	2	CR354390	Danio rer
c	71	18.2	70.0	173396	2	AC134318	Rattus no
c	72	18.2	70.0	174470	10	AC114820	Mus muscu
c	73	18.2	70.0	186730	2	AC094251	Sus scrofa
c	74	18.2	70.0	192157	2	AC094251	Rattus no
c	75	18.2	70.0	203613	10	AU591404	Mouse DNA
c	76	18.2	70.0	206910	10	AC113533	Mus muscu
c	77	18.2	70.0	214476	2	AC148277	Danio rer
c	78	18.2	70.0	215706	5	AC148277	Danio rer
c	79	18.2	70.0	225000	2	AC128762	Rattus no
c	80	18.2	70.0	292007	8	YSCRH02X	
c	81	18	69.2	706	8		
c	82	18	69.2	714	4	CP239530	Canis fam
c	83	18	69.2	1417	5	BC084358	Xenopus 1
c	84	18	69.2	1573	8	SCTN090W	
c	85	18	69.2	2119	5	BE065327	
c	86	18	69.2	7105	3	AC018005	Drosophil
c	87	18	69.2	16449	3	U22832	Caenorhabdit
c	88	18	69.2	17943	8	SCORFDNA	
c	89	18	69.2	31986	8	AF458976	Saccharom
c	90	18	69.2	32051	8	AF458978	Saccharom
c	91	18	69.2	32053	8	AF458981	Saccharom
c	92	18	69.2	32054	8	AF458969	Saccharom

94	4261	12	ADJ12616	Adj12616 DNA fragm	C 167	16.4	63.1	2655	6	ABK72280
95	4261	4	ABP03620	Abk7322 DNA encod	C 168	16.4	63.1	2655	6	ABK72282
96	16.6	63.8	5130	Aas84060 DNA encod	C 169	16.4	63.1	2655	8	ABZ68999 Nucleotid
97	16.6	63.8	5130	AAS72822 DNA encod	C 170	16.4	63.1	2655	12	ADM73334
98	16.6	63.8	5130	AAS74984 DNA encod	C 171	16.4	63.1	3233	4	AAS21384
99	16.6	63.8	5130	AAS68166 DNA encod	C 172	16.4	63.1	3233	8	ACA03443
100	16.6	63.8	5130	AAS85098 DNA encod	C 173	16.4	63.1	3233	8	ABX89181 DNA encod
101	16.6	63.8	5130	AAS66528 DNA encod	C 174	16.4	63.1	3233	8	ACd41335 Human sec
102	16.6	63.8	5130	AAS89455 DNA encod	C 175	16.4	63.1	3233	8	Aca04064 Human cDN
103	16.6	63.8	5130	AAS67239 DNA encod	C 176	16.4	63.1	3233	9	Aca460 Novel hum
110	16.6	63.8	5210	AAS3526 DNA encod	C 177	16.4	63.1	3233	9	Ada76331 Human PRO
104	16.6	63.8	5213	AAS73825 DNA encod	C 178	16.4	63.1	3233	9	Ada18681 Human PRO
111	16.6	63.8	5231	AAS70242 DNA encod	C 179	16.4	63.1	3233	9	Ada61304 Homo sapi
112	16.6	63.8	5231	AAS70789 DNA encod	C 180	16.4	63.1	3233	9	Adb19899 Novel hum
105	16.6	63.8	5450	AAS84966 DNA encod	C 181	16.4	63.1	3233	9	Adb27630 cDNA enco
106	16.6	63.8	5450	AAS83326 DNA encod	C 182	16.4	63.1	3233	9	Ada86109 Novel hum
c 107	16.6	63.8	5450	AAS65594 DNA encod	C 183	16.4	63.1	3233	9	Ada15673 Human PRO
c 108	16.6	63.8	5450	AAS83526 DNA encod	C 184	16.4	63.1	3233	9	Ada47459 Human PRO
c 109	16.6	63.8	5451	AAS89597 DNA encod	C 185	16.4	63.1	3233	9	Ada67254 Human PRO
c 110	16.6	63.8	5451	AAS66699 DNA encod	C 186	16.4	63.1	3233	9	Adb30261 cDNA enco
c 111	16.6	63.8	5451	AAS65193 DNA encod	C 187	16.4	63.1	3233	9	Ada85557 Novel hum
c 112	16.6	63.8	5451	AAS84049 DNA encod	C 188	16.4	63.1	3233	9	Ada96769 Human PRO
c 113	16.6	63.8	5451	AAS65576 Novel DNA	C 189	16.4	63.1	3233	9	Ada73073 Human PRO
c 114	16.6	63.8	5451	AAS73339 DNA encod	C 190	16.4	63.1	3233	9	Ada87121 Novel hum
c 115	16.6	63.8	5451	AdQ3B-16 Human SNP	C 191	16.4	63.1	3233	9	Ada1614 Human PRO
c 116	16.6	63.8	5451	AdQ3B-16 Human SNP	C 192	16.4	63.1	3233	9	Ada91506 Novel hum
c 117	16.6	63.8	6245	AdQ3B-16 Human mod	C 193	16.4	63.1	3233	9	Adb11569 Human PRO
c 118	16.6	63.8	6245	AdD124472 Human mod	C 194	16.4	63.1	3233	9	Adb18330 Novel hum
c 119	16.6	63.8	6770	ADP21387 Gene PPP1	C 195	16.4	63.1	3233	9	Ada93745 Human PRO
c 120	16.6	63.8	6779	ADP3B-15	C 196	16.4	63.1	3233	9	Ada19441 Human PRO
c 121	16.6	63.8	6779	ADQ3B-15	C 197	16.4	63.1	3233	9	Adb12953 Human PRO
c 122	16.6	63.8	6779	ADQ3B-16	C 198	16.4	63.1	3233	9	Acd98464 Novel hum
c 123	16.6	63.8	8065	ADB09776 Novel DNA	C 199	16.4	63.1	3233	9	Ada74207 Human PRO
c 124	16.6	63.8	8065	AAS73339 DNA encod	C 200	16.4	63.1	3233	9	Adb24440 Human PRO
c 125	16.6	63.8	9479	AAS66388 DNA encod	C 201	16.4	63.1	3233	9	Ada81964 Human PRO
c 126	16.6	63.8	9479	AAS67378 DNA encod	C 202	16.4	63.1	3233	9	Ada74277 Human PRO
c 127	16.6	63.8	9479	AAS66388 DNA encod	C 203	16.4	63.1	3233	9	Adb19441 Novel hum
c 128	16.6	63.8	9479	AAS75390 DNA encod	C 204	16.4	63.1	3233	9	Adb29709 cDNA enco
c 129	16.6	63.8	9479	AAS75390 DNA encod	C 205	16.4	63.1	3233	9	Adb24440 Human PRO
c 130	16.6	63.8	10136	ADP0156	C 206	16.4	63.1	3233	9	Ada81964 Human PRO
c 131	16.6	63.8	10136	ADP3B-15	C 207	16.4	63.1	3233	9	Adb24440 Human PRO
c 132	16.6	63.8	10137	AAS69831 DNA encod	C 208	16.4	63.1	3233	9	Ada75797 Human PRO
c 133	16.6	63.8	10137	AAS69831 DNA encod	C 209	16.4	63.1	3233	9	Adb46704 Human PRO
c 134	16.6	63.8	10137	AAS69831 DNA encod	C 210	16.4	63.1	3233	9	Adb25000 Human PRO
c 135	16.6	63.8	10137	AAS69831 DNA encod	C 211	16.4	63.1	3233	9	Ada93176 Human PRO
c 136	16.6	63.8	10137	AAS69831 DNA encod	C 212	16.4	63.1	3233	9	Adb26526 cDNA enco
c 137	16.6	63.8	10137	AAS69831 DNA encod	C 213	16.4	63.1	3233	9	Ada60741 Homo sapi
c 138	16.6	63.8	10137	AAS69831 DNA encod	C 214	16.4	63.1	3233	9	Adb23388 Human PRO
c 139	16.6	63.8	10137	AAS69831 DNA encod	C 215	16.4	63.1	3233	9	Ada96217 Human PRO
c 140	16.6	63.8	10137	AAS69831 DNA encod	C 216	16.4	63.1	3233	9	Adb20789 Human PRO
c 141	16.6	63.8	10137	AAS69831 DNA encod	C 217	16.4	63.1	3233	9	Ada95665 Human PRO
c 142	16.6	63.8	10137	AAS69831 DNA encod	C 218	16.4	63.1	3233	9	Adb25974 cDNA enco
c 143	16.6	63.8	10137	AAS69831 DNA encod	C 219	16.4	63.1	3233	9	Adb21459 Novel hum
c 144	16.6	63.8	10137	AAS69831 DNA encod	C 220	16.4	63.1	3233	9	Adb23388 Human PRO
c 145	16.6	63.8	10137	AAS69831 DNA encod	C 221	16.4	63.1	3233	9	Adb77238 Human PRO
c 146	16.6	63.8	10137	AAS69831 DNA encod	C 222	16.4	63.1	3233	9	Adb17978 cDNA enco
c 147	16.6	63.8	10137	AAS69831 DNA encod	C 223	16.4	63.1	3233	9	Adb88316 Novel hum
c 148	16.6	63.8	10137	AAS69831 DNA encod	C 224	16.4	63.1	3233	9	Ada97321 Human PRO
c 149	16.6	63.8	10137	AAS69831 DNA encod	C 225	16.4	63.1	3233	9	Adb227078 cDNA enco
c 150	16.6	63.8	10137	AAS69831 DNA encod	C 226	16.4	63.1	3233	9	Adb28182 Novel hum
c 151	16.6	63.8	10137	AAS69831 DNA encod	C 227	16.4	63.1	3233	9	Adb222011 Novel hum
c 152	16.6	63.8	10137	AAS69831 DNA encod	C 228	16.4	63.1	3233	9	Adb65702 Human PRO
c 153	16.6	63.8	10137	AAS69831 DNA encod	C 229	16.4	63.1	3233	9	Adb22563 Human PRO
c 154	16.6	63.8	10137	AAS69831 DNA encod	C 230	16.4	63.1	3233	9	Adb23336 Human PRO
c 155	16.6	63.8	10137	AAS69831 DNA encod	C 231	16.4	63.1	3233	9	Adb15121 Human PRO
c 156	16.6	63.8	10137	AAS69831 DNA encod	C 232	16.4	63.1	3233	9	Adb38373 Novel hum
c 157	16.6	63.8	10137	AAS69831 DNA encod	C 233	16.4	63.1	3233	9	Adb38721 Novel hum
c 158	16.6	63.8	10137	AAS69831 DNA encod	C 234	16.4	63.1	3233	9	Adb38721 Novel hum
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c 162	16.6	63.8	10137	AAS69831 DNA encod	C 238	16.4	63.1	3233	9	Adb38721 Novel hum
c 163	16.6	63.8	10137	AAS69831 DNA encod	C 239	16.4	63.1	3233	9	Adb38721 Novel hum
c 164	16.6	63.8	10137	AAS69831 DNA encod	C 240	16.4	63.1	3233	9	Adb38721 Novel hum
c 165	16.6	63.8	10137	AAS69831 DNA encod	C 241	16.4	63.1	3233	9	Adb38721 Novel hum
c 166	16.6	63.8	10137	AAS69831 DNA encod	C 242	16.4	63.1	3233	9	Adb38721 Novel hum

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw mode!

Run on: July 5, 2005, 11:52:58 ; Search time 37.1533 Seconds

(without alignments)
4142.654 Million cell updates/sec

Title: US-09-912-968A-B
Perfect score: 26
Sequence: 1 tgccataatactcgaaactcgatggaa 26

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 439026 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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2: _geneseqn1998s:*

3: _geneseqn2000s:*

4: _geneseqn2001as:*

5: _geneseqn2001bs:*

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9: _geneseqn2003bs:*

10: _geneseqn2003cs:*

11: _geneseqn2003ds:*

12: _geneseqn2004as:*

13: _geneseqn2004bs:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	100.0	26	6 ABN84494	Abn84494 Arabidops
c	2	26	100.0	197 3 AAX288564	Aaz88564 BLRV CDNA
c	3	26	100.0	632 6 ABN83922	Abn83922 E9 3, tem
c	4	26	100.0	1938 8 ABY76269	Aby76269 Expressio
c	5	26	100.0	7129 10 ADE97423	Ad97423 DNA deriv
c	6	26	100.0	2 AAX57305	Aax57305 Sugar bee
c	7	26	100.0	8418 2 AAX57309	Aax57309 Sugar bee
c	8	26	100.0	8798 2 AAX57308	Aax57308 Sugar bee
c	9	26	100.0	6 ABS54336	Ab54336 E. coli f
c	10	26	100.0	10846 2 AAX08923	Aax08923 Vector co
c	11	26	100.0	10847 2 AAX08923	Aax08924 Vector co
c	12	26	100.0	10900 2 AAX08924	Ab54337 E. coli f
c	13	26	100.0	10909 6 ABB54337	Ab54337 Plasmid p
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c	15	26	100.0	12304 8 ABV75876	Abv75875 Luciferas
c	16	26	100.0	12497 8 AAC66931	Aac66931 Plant sig
c	17	24.4	93.8	1008 10 ADE37162	Ad37162 Plant Yie
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c	19	24.4	93.8	1008 12 AD001896	Ad001896 Thaleceres
c	20	24.4	93.8	1147 4 AAD06461	Aad06461 Arabidops

c	21	24.4	93.8	3706 13 ADR49368	Adr49368 H7-1 tran
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c	23	22.8	87.7	6128 9 ACC85050	Acc85050 Inducible
c	24	22.8	87.7	11522 6 ABK89709	Abk89709 Oestrogen
c	25	20	76.9	20 20 AAS04262	Aas04262 Oligonucle
c	26	20	76.9	5 AAS04262 F72 PCR p	Abk53059
c	27	20	76.9	6 ABK53059	Abk53059
c	28	18.2	70.0	28678 13 ADR47236	Ad847236 Human can
c	29	18	69.2	579 13 ADR47236 Bacterial	Ad847236 Bacterial
c	30	17.8	68.5	596 4 AAI41444	AAI41444 Probe #10
c	31	17.8	68.5	596 4 AAK35729	Aak35729 Human bon
c	32	17.8	68.5	596 4 AAK09835	Aak09835 Human cDN
c	33	17.6	67.7	425 4 AAH11765	Aah11765 Human sec
c	34	17.6	67.7	3203 4 AAH18558	Aah18558 Human cDN
c	35	17.6	67.7	3203 4 AAC93498	Aac93498 Human sec
c	36	17.6	67.7	6128 9 ACC85050	Acc85050 Inducible
c	37	17.6	67.7	20905 4 ABA07327	Aab07327 Human cdn
c	38	17.6	67.7	20905 4 AAC90486	Aac90486 Human diag
c	39	17.6	67.7	20905 4 AAK87167	Aak87167 Human imm
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c	41	17.4	66.9	758 6 ABU92980	Abu92980 Rat metas
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c	45	17.2	66.2	1630 3 AAB68014	Aab68014 Eucalyptu
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c	53	17.2	66.2	3070 10 ADH15529	Adh15529 Human IQG
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c	21	24.4	93.8	3706 13 ADR49368	Adr49368 H7-1 tran
c	22	24.4	93.8	3778 13 ADR49367	Adr49367 Vector pV
c	23	22.8	87.7	6128 9 ACC85050	Acc85050 Inducible
c	24	22.8	87.7	11522 6 ABK89709	Abk89709 Oestrogen
c	25	20	76.9	20 20 AAS04262	Aas04262 Oligonucle
c	26	20	76.9	5 AAS04262 F72 PCR p	Abk53059
c	27	20	76.9	6 ABK53059	Abk53059
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c	29	18	69.2	579 13 ADR47236 Bacterial	Ad847236 Bacterial
c	30	17.8	68.5	596 4 AAI41444	AAI41444 Probe #10
c	31	17.8	68.5	596 4 AAK35729	Aak35729 Human bon
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c	38	17.6	67.7	20905 4 AAC90486	Aac90486 Human diag
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c	44	17.2	66.2	927 5 AAS74662	Aas74662 DNA encod
c	45	17.2	66.2	1630 3 AAB68014	Aab68014 Eucalyptu
c	46	17.2	66.2	1630 10 ADD41764	Add41764 O-methyl
c	47	17.2	66.2	1697 4 AAH18581	Aah18581 Human cDN
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c	50	17.2	66.2	2096 6 ABKL1075	Abkl1075 Eucalyptu
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c	52	17.2	66.2	3070 6 ADH15529	Adh15529 Eucalyptu
c	53	17.2	66.2	3070 10 ADH15529	Adh15529 Human IQG
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c	55	17.2	66.2	4974 9 ADA66336	Ada66336 Human IQG
c	56	17.2	66.2	4974 10 ADB72790	Adb72790 Human IQG
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c	154	67.7	512	7	AI2761	Yj14c03.s1	CD659294	CF596294_AGENCOURT	
c	155	67.7	514	1	AI951781	wx3701.x	CD659294	CF596294_AGENCOURT	
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124	59.2	189	4 US-09-543-681A-128
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132	59.2	491	4 US-09-389-681-203
133	59.2	491	4 US-09-620-405B-203
134	59.2	491	4 US-09-339-338-203
135	59.2	491	4 US-09-433-826B-203
136	59.2	491	4 US-09-604-287B-203
137	59.2	491	4 US-09-834-759-203
138	59.2	491	4 US-09-590-751A-003
139	59.2	491	4 US-09-551-621-203
140	59.2	554	4 US-09-949-016-4385
141	59.2	576	1 US-08-783-275-3
142	59.2	576	1 US-08-727-708-3
143	59.2	576	2 US-08-766-677-1
144	59.2	576	2 US-08-843-951-1
145	59.2	601	4 US-09-949-016-38921
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153	59.2	685	3 US-08-998-416-951
154	59.2	705	3 US-08-781-420-8
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168	59.2	707	3 US-08-984-919A-13
169	59.2	707	3 US-09-054-818A-2334
170	59.2	810	4 US-09-543-818A-2334
171	59.2	1000	4 US-09-671-217-469
172	59.2	1100	4 US-08-984-919A-13
173	59.2	1100	4 US-08-984-919A-13

Sequence 206314,	c	174	15..4	US-08-984-919A-14
Sequence 206315,	c	175	15..4	US-08-781-420-13
Sequence 98 , App1	c	176	15..4	US-08-781-420-14
Sequence 1 , App1	c	177	15..4	US-08-874-102-13
Sequence 3 , App1	c	178	15..4	US-08-874-102-14
Sequence 79 , App1	c	179	15..4	US-09-006-595A-13
Sequence 15785 , A	c	180	15..4	US-09-006-595A-14
Sequence 11866 , A	c	181	15..4	US-09-540-16342
Sequence 127 , App	c	182	15..4	US-09-489-039A-3972
Sequence 122 , A	c	183	15..4	US-08-984-919A-32
Sequence 11860 , A	c	184	15..4	US-08-984-919A-34
Sequence 16403 , A	c	185	15..4	US-08-874-102-32
Sequence 16404 , A	c	186	15..4	US-08-874-102-34
Sequence 17566 , A	c	187	15..4	US-08-984-919A-54
Sequence 2 , App1	c	188	15..4	US-08-984-919A-56
Sequence 11753 , A	c	189	15..4	US-08-874-102-54
Sequence 14219 , A	c	190	15..4	US-08-874-102-56
Sequence 16265 , A	c	191	15..4	US-09-006-595A-10
Sequence 12758 , A	c	192	15..4	US-08-984-919A-12
Sequence 14222 , A	c	193	15..4	US-08-781-420-10
Sequence 17235 , A	c	194	15..4	US-08-781-420-11
Sequence 1 , App1	c	195	15..4	US-08-874-102-10
Sequence 13266 , A	c	196	15..4	US-08-874-102-12
Sequence 13165 , A	c	197	15..4	US-09-006-595A-10
Sequence 128 , App	c	198	15..4	US-09-006-595A-12
Sequence 10330 , A	c	199	15..4	US-08-984-919A-49
Sequence 4111 , App	c	200	15..4	US-08-984-919A-50
Sequence 11 , App1	c	201	15..4	US-08-874-102-49
Sequence 11 , App1	c	202	15..4	US-09-328-352-342
Sequence 1 , App1	c	203	15..4	US-09-620-312D-974
Sequence 14045 , A	c	204	15..4	US-09-528-236-545
Sequence 203 , App	c	205	15..4	US-09-963-137-174
Sequence 203 , App	c	206	15..4	US-08-984-919A-46
Sequence 203 , App	c	207	15..4	US-08-874-102-46
Sequence 1 , App1	c	208	15..4	US-09-949-016-16146
Sequence 203 , App	c	209	15..4	US-08-874-102-46
Sequence 203 , App	c	210	15..4	US-08-874-102-48
Sequence 203 , App	c	211	15..4	US-09-828-303-13
Sequence 203 , App	c	212	15..4	US-09-005-1175
Sequence 203 , App	c	213	15..4	US-09-949-016-17594
Sequence 3 , App1	c	214	15..4	US-09-949-016-16127
Sequence 203 , App	c	215	15..4	US-09-949-016-16127
Sequence 203 , App	c	216	15..4	US-09-596-002-22
Sequence 203 , App	c	217	15..4	US-09-596-002-22
Sequence 18921 , A	c	218	15..4	US-09-949-016-11935
Sequence 38922 , A	c	219	15..4	US-09-949-016-16921
Sequence 57582 , A	c	220	15..4	US-09-949-016-14046
Sequence 205250 ,	c	221	15..4	US-09-949-016-161031
Sequence 205251 ,	c	222	15..4	US-09-949-016-161031
Sequence 264 , App	c	223	15..4	US-09-358-055B-5
Sequence 1 , App1	c	224	15..4	US-09-893-238-5
Sequence 179 , App	c	225	15..4	US-09-949-016-13875
Sequence 280 , App	c	226	15..4	US-09-949-016-15450
Sequence 951 , App	c	227	15..4	US-09-949-016-14433
Sequence 8 , App1	c	228	15..4	US-09-949-016-13029
Sequence 9 , App1	c	229	15..4	US-09-949-016-141875
Sequence 8 , App1	c	230	15..4	US-09-949-016-14182
Sequence 280 , App	c	231	15..2	US-09-513-999C-9981
Sequence 9 , App1	c	232	15..2	US-09-949-016-16189
Sequence 8 , App1	c	233	15..2	US-09-270-767-12008
Sequence 9 , App1	c	234	15..2	US-09-407-427-1
Sequence 5 , App1	c	235	15..2	US-08-559-303B-72
Sequence 7 , App1	c	236	15..2	US-09-949-016-2640
Sequence 5 , App1	c	237	15..2	US-09-949-016-5413
Sequence 7 , App1	c	238	15..2	US-09-798-996-3
Sequence 5 , App1	c	239	15..2	US-09-949-016-143-72
Sequence 184 , App	c	240	15..2	US-09-949-016-13819
Sequence 13 , App1	c	241	15..2	US-09-949-016-13819
Sequence 5 , App1	c	242	15..2	US-09-949-016-828-72
Sequence 7 , App1	c	243	15..2	US-09-949-016-2640
Sequence 5 , App1	c	244	15..2	US-09-949-016-5413
Sequence 469 , App	c	245	15..2	US-09-949-016-13819
Sequence 184 , App	c	246	15..2	US-09-949-016-13819
Sequence 13 , App1	c	247	15..2	US-09-949-016-13819

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 11.1533 Seconds

(without alignments)

3814.402 Million cell updates/sec

Title: US-09-912-968A-8

Perfect score: 26

Sequence: 1 tgccataatactcgaaactcgatggaa 26

Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 24055568

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 500 summaries

Database : Issued Patents NA:
 1: /cgn2_6/_ptodata/1/ina/5A_COMB.seq:
 2: /cgn2_6/_ptodata/1/ina/5B_COMB.seq:
 3: /cgn2_6/_ptodata/1/ina/6A_COMB.seq:
 4: /cgn2_6/_ptodata/1/ina/6B_COMB.seq:
 5: /cgn2_6/_ptodata/1/ina/PCTUS.COM.seq:
 6: /cgn2_6/_ptodata/1/ina/backfiles.seq:
 Sequence 13113, A

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
C 1	26	100.0	197	1	US-08-326-297-4		Sequence 4, Appli
C 2	26	100.0	197	3	US-08-61-454-4		Sequence 4, Appli
C 3	26	100.0	197	5	PCT-US94-01114-4		Sequence 4, Appli
C 4	26	100.0	8012	3	US-09-182-117-1		Sequence 1, Appli
C 5	26	100.0	8012	4	US-09-43-039A-1		Sequence 1, Appli
C 6	26	100.0	8418	3	US-09-183-117-5		Sequence 5, Appli
C 7	26	100.0	8418	4	US-09-43-039A-5		Sequence 5, Appli
C 8	26	100.0	8793	3	US-09-183-117-4		Sequence 4, Appli
C 9	26	100.0	8793	4	US-09-43-039A-4		Sequence 4, Appli
C 10	26	100.0	10846	3	US-09-098-219-5		Sequence 5, Appli
C 11	26	100.0	10846	4	US-10-16-204-5		Sequence 5, Appli
C 12	26	100.0	10846	4	US-09-923-109-5		Sequence 5, Appli
C 13	26	100.0	10900	3	US-09-098-219-6		Sequence 6, Appli
C 14	26	100.0	10900	4	US-10-16-204-6		Sequence 6, Appli
C 15	26	100.0	10900	4	US-09-923-109-6		Sequence 6, Appli
C 16	26	100.0	12614	4	US-09-57-424-1		Sequence 1, Appli
C 17	22.8	87.7	11522	4	US-10-05-092-19		Sequence 19, Appli
C 18	18.6	71.5	17523	4	US-09-949-016-14333		Sequence 14353, A
C 19	17.6	67.7	41318	4	US-09-949-016-16225		Sequence 16225, A
C 20	17.2	66.2	1630	3	US-09-61-192A-107		Sequence 107, Appli
C 21	17.2	66.2	1630	4	US-09-168-789-107		Sequence 107, Appli
C 22	17.2	66.2	2096	4	US-09-598-401-60		Sequence 60, Appli
C 23	17.2	66.2	3070	4	US-09-052-092-113		Sequence 113, Appli
C 24	17.2	66.2	7573	1	US-08-281-959-2		Sequence 2, Appli
C 25	17.2	66.2	7573	4	US-09-945-016-1556		Sequence 556, Appli
C 26	17.2	66.2	7644	4	US-09-949-016-3574		Sequence 3574, Appli
C 27	17.2	66.2	94095	4	US-09-949-016-14389		Sequence 14389, A

Result No.	Score	Query	Match	Length	DB	ID	Description
C 28	66.2	115963	4	US-09-949-016-12298		Sequence 12298, A	
C 29	66.2	14332	4	US-09-949-016-14316		Sequence 14316, A	
C 30	65.4	601	4	US-09-949-016-143667		Sequence 143667, A	
C 31	65.4	33712	4	US-09-949-016-15793		Sequence 15793, A	
C 32	65.4	130563	4	US-09-949-016-12273		Sequence 12273, A	
C 33	65.4	131379	4	US-09-949-016-16050		Sequence 16050, A	
C 34	65.4	174029	4	US-09-949-016-12610		Sequence 12610, A	
C 35	65.4	174030	4	US-09-949-016-13880		Sequence 13880, A	
C 36	65.4	193169	4	US-09-949-016-15091		Sequence 15091, A	
C 37	66.8	64.6	169998	3	US-09-676-610B-24		Sequence 24, Appli
C 38	66.8	64.6	197496	4	US-09-877-177A-10		Sequence 10, Appli
C 39	66.6	63.8	601	4	US-09-949-016-31157		Sequence 31157, A
C 40	66.6	63.8	601	4	US-09-949-016-31158		Sequence 31158, A
C 41	66.6	63.8	601	4	US-09-949-016-1477		Sequence 61477, A
C 42	66.6	63.8	601	4	US-09-949-016-61478		Sequence 61478, A
C 43	66.6	63.8	49378	4	US-09-949-016-13408		Sequence 13408, A
C 44	66.6	63.8	82178	4	US-09-949-016-13394		Sequence 13394, A
C 45	66.6	63.8	206433	4	US-09-949-016-13527		Sequence 13527, A
C 46	66.6	63.8	254778	4	US-09-949-016-12417		Sequence 12417, A
C 47	66.6	63.8	340380	4	US-09-949-016-14179		Sequence 14179, A
C 48	66.6	63.8	1230025	4	US-09-452A-1		Sequence 1, Appli
C 49	66.6	63.8	1230230	4	US-09-438-185A-1		Sequence 1, Appli
C 50	66.6	63.8	1830121	4	US-09-557-884-1		Sequence 1, Appli
C 51	66.6	63.8	1830121	4	US-09-557-884-1		Sequence 1, Appli
C 52	66.6	63.8	1830121	4	US-09-643-990A-1		Sequence 1, Appli
C 53	66.6	63.8	1830121	4	US-09-643-990A-1		Sequence 1, Appli
C 54	66.6	63.8	564	4	US-09-248-796A-6378		Sequence 6378, Appli
C 55	16.4	63.1	601	4	US-09-949-016-116829		Sequence 116829, Appli
C 56	16.4	63.1	690	4	US-09-248-796A-2160		Sequence 2160, Appli
C 57	16.4	63.1	1890	4	US-09-566-921-129		Sequence 129, Appli
C 58	16.4	63.1	2282	1	US-09-055-797-1		Sequence 1, Appli
C 59	16.4	63.1	2378	3	US-09-221-0178-909		Sequence 909, Appli
C 60	16.4	63.1	2453	4	US-09-248-796A-952		Sequence 952, Appli
C 61	16.4	63.1	2655	4	US-09-963-137-183		Sequence 183, Appli
C 62	16.4	63.1	44836	4	US-09-949-016-14867		Sequence 14867, A
C 63	16.4	63.1	168174	4	US-10-071-411A-63		Sequence 63, Appli
C 64	16.4	63.1	168273	4	US-10-071-411A-2		Sequence 2, Appli
C 65	16.4	63.1	246444	4	US-09-949-016-13113		Sequence 13113, A
C 66	16.4	63.1	325034	4	US-09-949-016-14957		Sequence 14957, A
C 67	16.4	63.1	3829504	4	US-09-949-016-11774		Sequence 11774, A
C 68	16.4	63.1	389504	4	US-09-248-796A-3792		Sequence 3792, Appli
C 69	16.4	62.3	426	4	US-09-643-702B-29		Sequence 29, Appli
C 70	16.2	62.3	8114	3	US-09-397-787-167		Sequence 167, Appli
C 71	16.2	62.3	471	3	US-09-397-787-159		Sequence 159, Appli
C 72	16	61.5	1071	3	US-09-397-787-159		Sequence 1, Appli
C 73	16	61.5	1937	4	US-09-647-143-1		Sequence 1, Appli
C 74	16	61.5	1994	2	US-08-933-750C-58		Sequence 58, Appli
C 75	16	61.5	1994	3	US-09-234-613-8		Sequence 58, Appli
C 76	16	61.5	1994	3	US-09-943-161-1813		Sequence 11813, A
C 77	16	61.5	15184	4	US-09-949-016-16143		Sequence 16143, A
C 78	16	61.5	15413	4	US-09-949-016-16143		Sequence 16143, A
C 79	16	61.5	42281	4	US-09-949-016-12012		Sequence 12012, A
C 80	16	61.5	45852	4	US-09-941-016-13928		Sequence 13928, A
C 81	16	61.5	237510	4	US-09-941-016-14273		Sequence 14273, A
C 82	16	61.5	294836	4	US-09-949-016-15974		Sequence 15974, A
C 83	15.8	60.8	107679	4	US-09-696-569-3		Sequence 2, Appli
C 84	15.8	60.8	601	4	US-09-941-016-165610		Sequence 165610, A
C 85	15.8	60.8	601	4	US-09-949-016-17525		Sequence 17525, A
C 86	15.8	60.8	1713	4	US-09-248-796A-6813		Sequence 6813, Appli
C 87	15.8	60.8	15849	4	US-09-054-272-50		Sequence 50, Appli
C 88	15.8	60.8	176768	4	US-09-949-016-16718		Sequence 16718, A
C 89	15.8	60.8	107679	4	US-09-949-016-16409		Sequence 16409, A
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C 91	15.6	60.0	601	4	US-09-949-016-20192		Sequence 20192, A
C 92	15.6	60.0	601	4	US-09-949-016-16227		Sequence 20127, A
C 93	15.6	60.0	601	4	US-09-949-016-14275		Sequence 14275, A
C 94	15.6	60.0	601	4	US-09-949-016-16212		Sequence 16212, A
C 95	15.6	60.0	601	4	US-09-949-016-161627		Sequence 161627, A
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	82	16.6	63.8	545	20	US-10-425-115-1415	Sequence 415, A	Sequence 81, App1
	83	16.6	63.8	641	21	US-10-956-157-1936	Sequence 4936, Ap	Sequence 81, App1
c	84	16.6	63.8	641	21	US-10-956-157-10171	Sequence 10171, A	Sequence 81, App1
	85	16.6	63.8	1017	17	US-10-282-122A-1282	Sequence 1282, A	Sequence 81, App1
c	86	16.6	63.8	1177	19	US-10-437-963-12093	Sequence 12093, A	Sequence 81, App1
c	87	16.6	63.8	1253	15	US-10-128-714-6327	Sequence 6327, Ap	Sequence 81, App1
c	88	16.6	63.8	2349	19	US-10-437-363-12091	Sequence 12091, A	Sequence 81, App1
c	89	16.6	63.8	2999	19	US-10-128-714-3271	Sequence 3271, App	Sequence 81, App1
c	90	16.6	63.8	3253	15	US-10-128-714-5327	Sequence 5327, Ap	Sequence 81, App1
c	91	16.6	63.8	4260	11	US-09-984-429-417	Sequence 417, App	Sequence 81, App1
c	92	16.6	63.8	4261	11	US-09-984-429-470	Sequence 470, App	Sequence 81, App1
c	93	16.6	63.8	6245	21	US-10-741-000-79	Sequence 79, App1	Sequence 81, App1
c	94	16.6	63.8	6797	21	US-10-741-600-78	Sequence 78, App1	Sequence 81, App1
c	95	16.6	63.8	7384	15	US-10-311-455-719	Sequence 719, App	Sequence 81, App1
c	96	16.6	63.8	73766	9	US-09-765-344-5	Sequence 5, App1	Sequence 81, App1
c	97	16.6	63.8	31766	14	US-10-288-478-5	Sequence 5, App1	Sequence 81, App1
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c	118	16.6	63.8	224	10	US-09-814-353-6013	Sequence 6813, Ap	Sequence 81, App1
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c	120	16.6	63.8	300	9	US-09-394-033B-4486	Sequence 4486, Ap	Sequence 81, App1
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c	124	16.6	63.8	734	18	US-10-369-599-55142	Sequence 56142, A	Sequence 81, App1
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c	126	16.6	63.8	685	13	US-10-027-532-22486	Sequence 292486,	Sequence 81, App1
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c	133	16.6	63.8	979	18	US-10-424-599-55408	Sequence 55408, A	Sequence 81, App1
c	134	16.6	63.8	1036	17	US-10-310-154-244	Sequence 244, App	Sequence 81, App1
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c	141	16.6	63.8	1846	19	US-10-437-96-55554	Sequence 55584, A	Sequence 81, App1
c	142	16.6	63.8	1850	22	US-10-765-700-129	Sequence 129, App	Sequence 81, App1
c	143	16.6	63.8	1930	20	US-10-739-330-5345	Sequence 5345, Ap	Sequence 81, App1
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c	146	16.6	63.8	2180	18	US-10-424-599-44038	Sequence 44038, A	Sequence 81, App1
c	147	16.6	63.8	2185	17	US-10-097-74-303	Sequence 303, App	Sequence 81, App1
c	148	16.6	63.8	2378	13	US-10-194-163-909	Sequence 909, App	Sequence 81, App1
c	149	16.6	63.8	2655	10	US-09-963-131-183	Sequence 139, App	Sequence 81, App1
c	150	16.6	63.8	3233	14	US-10-028-072-81	Sequence 81, App1	Sequence 81, App1
c	151	16.6	63.8	3233	14	US-10-140-308-81	Sequence 81, App1	Sequence 81, App1
c	152	16.6	63.8	3233	14	US-10-121-049-81	Sequence 81, App1	Sequence 81, App1
c	153	16.6	63.8	3233	14	US-10-123-904-81	Sequence 81, App1	Sequence 81, App1

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OM nucleic - nucleic search, using sw model	Run on: July 5, 2005, 11:52:57 ; Search time 115.702 Seconds (without alignment)	Perfect score: 26 Sequence: 1 tgccataatactcgaaactcgatggaa 26	Title: US-09-912-968A-8	Scoring table: IDENTITY_NUC Gapop 10_0 , Gapext 1.0	Minimum DB seq length: 0 Maximum DB seq length: 200000000000	Post-processing: Minimum Match 10% Maximum Match 100%	Total number of hits satisfying chosen parameters: 12626748
							Listing first 500 summaries
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	26	100.0	26	US-10-024-632-21
c 2	26	100.0	632	US-10-015-63-7
c 3	26	100.0	1998	US-10-473-945-4
c 4	26	100.0	7129	US-10-147-542-101
c 5	26	100.0	10846	US-09-923-109-5
c 6	26	100.0	10845	US-10-164-204-5
c 7	26	100.0	10846	US-10-705-430-5

c 8	26	100.0	10900	9 US-09-923-109-6
c 9	26	100.0	10900	15 US-10-164-204-6
c 10	26	100.0	10900	18 US-10-705-430-6
c 11	26	100.0	11606	19 US-10-602-473A-9
c 12	26	100.0	12304	21 US-10-473-945-5
c 13	26	100.0	12497	21 US-10-473-945-4
c 14	24.4	93.8	1008	17 US-10-225-068-101
c 15	24.4	93.8	1008	17 US-10-431-780A-8
c 16	24.4	93.8	1008	18 US-10-412-693B-309
c 17	24.4	93.8	1008	21 US-10-225-068-101
c 18	24.4	93.8	3706	19 US-10-316-762A-6
c 19	24.4	93.8	3778	19 US-10-316-762A-5
c 20	22.8	87.7	11522	14 US-10-032-092-19
c 21	22.8	87.7	11522	16 US-10-431-107-19
c 22	22.8	87.7	11522	20 US-10-086-419-19
c 23	18.2	70.0	201	19 US-10-741-601-16236
c 24	18.2	70.0	201	21 US-10-741-600-45647
c 25	18.2	70.0	20678	19 US-10-741-601-5757
c 26	18.2	70.0	20678	21 US-10-741-600-17694
c 27	18.2	70.0	28678	21 US-10-461-862-114
c 28	18.2	70.0	86131	19 US-10-741-601-5665
c 29	18.2	70.0	86131	21 US-10-741-600-17695
c 30	18	69.2	579	17 US-10-039-930-4507
c 31	18	69.2	1577	20 US-10-039-930-4507
c 32	17.8	68.5	596	9 US-09-864-761-12795
c 33	17.6	67.7	654	13 US-10-057-632-235883
c 34	17.6	67.7	654	17 US-10-027-632-235883
c 35	17.6	67.7	759	13 US-10-027-632-163017
c 36	17.6	67.7	759	17 US-10-027-632-163017
c 37	17.6	67.7	1394	18 US-10-424-599-136779
c 38	17.4	66.9	29	15 US-10-136-444-38
c 39	17.4	66.9	758	20 US-10-027-632-9052
c 40	17.2	66.2	1146	13 US-10-027-632-9052
c 41	17.2	66.2	1146	17 US-10-027-632-9052
c 42	17.2	66.2	1630	15 US-10-174-693-107
c 43	17.2	66.2	2096	15 US-10-137-036-60
c 44	17.2	66.2	2096	21 US-10-102-319A-60
c 45	17.2	66.2	3070	15 US-10-137-036-113
c 46	17.2	66.2	3070	21 US-10-702-31A-113
c 47	17.2	66.2	4974	17 US-10-034-650-18
c 48	17.2	66.2	4974	21 US-10-086-903-37
c 49	17.2	66.2	5239	9 US-09-909-147-22
c 50	17.2	66.2	6380	21 US-10-956-157-4098
c 51	17.2	66.2	709	17 US-10-088-977-26815
c 52	17.2	66.2	7573	17 US-10-034-650-17
c 53	17.2	66.2	7573	19 US-10-975-169-183
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c 57	17	65.4	709	17 US-10-047-632-264815
c 58	17	65.4	990	18 US-10-035-977-2671
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c 60	17	65.4	1092	18 US-10-335-977-2673
c 61	17	65.4	1672	17 US-10-172-118-108
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c 64	17	65.4	2746	21 US-10-087-304-47
c 65	17	65.4	3328	21 US-10-871-304-42
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c 67	17	65.4	127567	22 US-10-027-632-174454
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c 100	141989	2	AL714001	Human DNA	AX127144	Sequence
c 101	141988	2	AC096850	Pan trogl	AX127145	Sequence
c 102	145206	2	AC096850	Human DNA	AF095500	Hammonia
c 103	143207	9	AC013688	Homo sapi	AF249971	Neospora
c 104	153120	9	AC019050	Homo sapi	J01308	Nicotiana s
c 105	175555	2	AC122106	Rattus no	G73713	RC131R etio
c 106	156441	2	AC1472106	Gasterost	AF249972	Neospora
c 107	165723	2	AC150538	Bos tauru	AF508029	Hammonia
c 108	167023	2	AC150634	Bos tauru	AF516885	Hammonia
c 109	172112	2	AC050822	Homo sapi	AF076665	Toxoplasm
c 110	175555	2	AC150461	Callithrix	AF076670	Hammonia
c 111	179015	2	AC135839	Bos tauru	AF076671	Hammonia
c 112	179169	2	AC092259	Papio anu	AF096502	Hammonia
c 113	180442	10	AC132335	Mus muscu	AF432124	Neospora
c 114	182445	2	AC132717	Rattus no	AF432125	Hammonia
c 115	186479	2	AC093186	Papio anu	AF432126	Hammonia
c 116	190050	2	AC146922	Otolemur	AF481893	Hammonia
c 117	206203	10	AC112682	Mus muscu	AY168878	Hammonia
c 118	226220	10	AL603829	Mouse DNA	HYRIT52	Sequence
c 119	235209	2	AC131419	Rattus no	AF395866	Hammonia
c 120	241923	2	AC137656	Bos tauru	M15235	Tomato RubP
c 121	244598	2	AC123176	Rattus no	X01722	Nicotiana s
c 122	245228	2	AL731841	Homo sapi	AY220079	Nicotiana
c 123	245628	2	AC112682	Otolemur	AF470541	Bolbophor
c 124	251710	2	AC117065	Rattus no	AF470544	Bolbophor
c 125	251763	2	AC129687	Rattus no	AF470572	Bolbophor
c 126	261090	2	AC098014	Rattus no	AF470575	Bolbophor
c 127	266232	2	AC094326	Rattus no	AF470579	Bolbophor
c 128	274560	2	AC099390	Rattus no	AF470603	Bolbophor
c 129	311823	2	AC095362	Rattus no	AF470583	Bolbophor
c 130	314146	2	AC106421	Rattus no	AF470587	Bolbophor
c 131	70.8	836	AV359682	Peridinium	M13542	Tomato fl. e
c 132	70.8	1476	AY554172	Oreochrom	AF470595	Bolbophor
c 133	89370	3	AC084153	Caenorhab	AF470599	Bolbophor
c 134	139147	2	AC006725	Caenorhab	AF470607	Bolbophor
c 135	139334	2	CR388387	Danio rer	AF470610	Bolbophor
c 136	219621	2	CR391984	Danio rer	AF470610	Bolbophor
c 137	228081	2	AC115237	Rattus no	AF470991	Bolbophor
c 138	261090	2	AC006309	Caenorhab	AF470995	Bolbophor
c 139	80.8	1176	BD162882	Novel pol	AF470999	Bolbophor
c 140	70.0	1176	BD162882	Novel pol	AF470999	Bolbophor
c 141	70.0	2312	AX833403	Sequence	X69760	S.tuberousm
c 142	70.0	2312	AK095101	Homo sapi	X69761	S.tuberousm
c 143	70.0	4094	CQ714181	Sequence	D420738	Staphylococ
c 144	70.0	4956	BD085389	Method of	CQ603263	Sequence
c 145	70.0	136551	AC006309	Caenorhab	AF07601	Toxoplasm
c 146	70.0	5560	HSM806585	Novel pol	X059882	Tomato rbcS
c 147	70.0	6789	HSPUTT1	Sequence	X69762	Novel pol
c 148	70.0	43088	AC108719	Homo sapi	X69763	Novel pol
c 149	70.0	147728	AC027755	Homo sapi	AF101077	Hammonia
c 150	70.0	157377	AC141342	Rattus no	AF159240	Hammonia
c 151	70.0	159007	AC020658	Homo sapi	X75453	Toxoplasm
c 152	70.0	159188	AC037432	Homo sapi	AL031582	Drosophil
c 153	70.0	144631	AC069027	Homo sapi	AC138803	Homo sapi
c 154	70.0	145085	AC090261	Homo sapi	AC139252	Homo sapi
c 155	70.0	147728	AC021777	Homo sapi	AF069308	Bacteriopl
c 156	70.0	186656	AP001889	Homo sapi	AL922218	Mouse DNA
c 157	70.0	159007	AC020658	Homo sapi	AC101243	Mus muscu
c 158	70.0	136551	AC123786	Homo sapi	AC101243	Mus muscu
c 159	70.0	162938	AC069553	Homo sapi	AC101243	Mus muscu
c 160	70.0	167900	AC001650	Homo sapi	AC101243	Mus muscu
c 161	70.0	176810	AC021777	Homo sapi	AC101243	Mus muscu
c 162	70.0	191595	AC012217	Homo sapi	AF069308	Bacteriopl
c 163	70.0	192848	AL954329	Zebrafish	AL922218	Mouse DNA
c 164	70.0	205903	AP000901	Homo sapi	AC101243	Mus muscu
c 165	70.0	275980	AC111446	Rattus no	AC101243	Mus muscu



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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 312.549 Seconds
 (without alignments)
 4030.848 Million cell updates/sec

Title: US-09-912-968A-9
 Perfect score: 26
 Sequence: 1 tcagtttcatggccacaccagaa 26

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 1.0

Searched: 4708213 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters:

9416466

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : GenBlibl:
 1: gb_ba;*
 2: gb_htg;*
 3: gb_in;*
 4: gb_om;*
 5: gb_ov;*
 6: gb_pat;*
 7: gb_ph;*
 8: gb_p1;*
 9: gb_pr;*
 10: gb_ro;*
 11: gb_stc;*
 12: gb_sy;*
 13: gb_un;*
 14: gb_v1;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
<hr/>							
1	26	100.0	26	6	AX555237	AY555237 Sequence	AJ117516 Homo sapi
2	26	100.0	197	6	I19656	M21375 Pisum sativ	AC024594 Oryza sat
3	26	100.0	619	8	PEARUBPA	J01257 Pea (P.sati)	BX324151 Zebrafish
4	26	100.0	632	6	AX63287	AR0463287 Sequence	AC1235593 Rattus no
5	26	100.0	645	8	PEARBCOSS	AR022680 Sequence	AC1024046 Mus muscu
6	26	100.0	2124	6	AR014744	AR014744 Sequence	AC097889 Mus muscu
7	26	100.0	2124	6	AR022680	X00806 Pea gene fo	AC005639 Drosophil
8	26	100.0	2351	8	PSRC01	C0867567 Sequence	AB003461 Drosophil
9	26	100.0	3705	6	C0867566	CQ867566 Sequence	AF043705 Caenorhabd
10	26	100.0	3778	6	AR143709	AR143709 Sequence	AC006913 Caenorhabd
11	26	100.0	8012	6	BD068400	BD068400 Glyphosat	AC158893 Mus muscu
12	26	100.0	8012	6	AR143713	AR143713 Sequence	AC117516 Homo sapi
13	26	100.0	8418	6	BD068404	BD068404 Glyphosat	AC024594 Oryza sat
14	26	100.0	8418	6	AR143712	AR143712 Sequence	AF044396 Flaveria
15	26	100.0	8798	6	AR143712	BD008403 Glyphosat	U29937 Flaveria pr
16	26	100.0	8798	6	AR225313	AR225313 Sequence	U29939 Flaveria pr
17	26	100.0	10846	6	AR438378	AR438378 Sequence	U29935 Flaveria pr
18	26	100.0	10846	6	AR491631	AR491631 Sequence	U29936 Flaveria pr
19	26	100.0	10846	6			C0745390 Sequence

20	26	100.0	10847	6	BD062173	BD062173 Expressio	BC056132 Xenopus l
21	26	100.0	10900	6	AR225314	AR225314 Sequence	AB053465 Mus muscu
22	26	100.0	10900	6	AR338379	AR338379 Sequence	BC018154 Mus muscu
23	26	100.0	10900	6	AR491632	AR491632 Sequence	AB053465 Mus muscu
24	26	100.0	10901	6	BD062174	BD062174 Expressio	AB052539 Sequence
25	26	100.0	12614	8	AX052539	PEARBPC	J01256 Pisum sativ
26	24.4	93.8	669	8	PEARBPC	PEARBPC	AB053465 Mus muscu
27	24.4	93.8	674	8	PSRBCS3C	PSRBCS3C	AB053465 Mus muscu
28	24.4	93.8	1381	8	PSRBCS3A	PSRBCS3A	AB053465 Mus muscu
29	24.4	93.8	2061	8			X04333 Pea rbcS-3A
30	31	24.4	93.8	10856	12	AB086434	AB086434 Synthetic
31	32	24.4	93.8	11522	12	AF309825	AF309825 Plant exp
32	33	24.4	93.8	12072	12	AF294981	AF294981 Binary ve
33	34	24.4	93.8	12942	12	AF294982	AF294982 Binary ve
34	35	24.4	93.8	14103	12	AF330636	AF330636 Plant cor
35	36	24.4	93.8	14203	12	AF294979	AF294979 Binary ve
36	37	24.4	93.8	14230	12	AF294980	AF294980 Binary ve
37	38	21.2	81.5	515	8	AF411547	AF411547 Medicago
38	39	21.2	81.5	732	8	AF056315	AF056315 Medicago
39	40	21.2	81.5	3180	8	MSRBCSKIA	X96847 M. sativa Rb
40	41	21.2	81.5	70587	8	AP006376	AP006376
41	42	21.2	81.5	110572	8	AC147741	AC147741 Medicago
42	43	21.2	81.5	112032	2	AC145221	AC145221 Medicago
43	44	21.2	81.5	235247	2	AC106246	AC106246 Rattus no
44	45	21.2	81.5	244010	2	AC106231	AC106231 Rattus no
45	46	19.6	75.4	546	8	POTRBCS	J03613 Potato (S.t.
46	47	19.6	75.4	599	8	TOMRBCSB	M13543 Tomato (L.e
47	48	19.6	75.4	692	8	SIRUBPCS	M16888 White campi
48	49	19.6	75.4	723	8	SLARBCS	L26605 Stellaria l
49	50	19.6	75.4	729	8	CAR131050	AL131050 Cicer ari
50	51	19.6	75.4	742	8	TOMRBCSE	ML5236 Tomato Rubro
51	52	19.6	75.4	1097	8	BT013023	BT013023 Lycope
52	53	19.6	75.4	1598	8	STPBCS3	X69763 S. tuberosum
53	54	19.6	75.4	2293	8	NPRBCS8B	X13711 Nicotiana p
54	55	19.6	75.4	2293	8	TOERBCS8B	M36685 N.plumbagin
55	56	19.6	75.4	2362	8	NTERUBSS	X02353 Tobacco gen
56	57	19.6	75.4	2776	8	LEPRBCS2	ML5983 Tomato rbcS
57	58	19.6	75.4	3323	8	STPBCS1	X69759 S. tuberosum
58	59	19.6	75.4	219195	2	AC107737	AC107737 Mus muscu
59	60	19.6	75.4	228384	2	AC15550	AC15550 Rattus no
60	61	19.6	75.4	232803	5	BX908742	BX908742 Zebrafish
61	62	19.6	75.4	237781	2	AC097217	AC097217 Rattus no
62	63	19.6	75.4	349380	3	CQ87192	AC087192 Sequence
63	64	19.6	73.8	17021	2	AC020534	AC020534 Drosophil
64	65	19.2	73.8	240466	6	CQ583526	CQ583526 Sequence
65	66	19.2	73.8	149920	9	AC03754	AC03754 Homo sapi
66	67	19.2	73.8	185741	9	AC006203	AC006203 Homo sapi
67	68	19.2	73.8	188222	3	AC005639	AC005639 Drosophil
68	69	19.2	73.8	295225	3	AB003461	AB003461 Drosophil
69	70	19	73.1	4492	3	AF043706	AF043706 Caenorhabd
70	71	19	73.1	169226	2	AC006913	AC006913 Caenorhabd
71	72	18.8	72.3	167728	2	AC158893	AC158893 Mus muscu
72	73	18.8	72.3	172997	9	AC117516	AC117516 Homo sapi
73	74	18.8	72.3	178592	8	AC024594	AC024594 Oryza sat
74	75	18.8	72.3	182862	2	AC137480	AC137480 Rattus no
75	76	18.8	72.3	188522	2	AC102406	AC102406 Mus muscu
76	77	18.8	72.3	188522	2	AC132835	AC132835 Mus muscu
77	78	18.8	72.3	182419	5	BX324151	BX324151 Zebrafish
78	79	18.8	72.3	219799	10	AC137480	AC137480 Rattus no
79	80	18.8	72.3	240506	2	AC097889	AC097889 Mus muscu
80	81	18.8	72.3	300029	8	AE017106	AE017106 Oryza sat
81	82	18.6	71.5	574	8	AF044396	AF044396 Flaveria
82	83	18.6	71.5	677	8	AF044397	AF044397 Flaveria
83	84	18.6	71.5	731	8	FPD2937	FPD2937 Flaveria pr
84	85	18.6	71.5	743	8	FPD2939	FPD2939 Flaveria pr
85	86	18.6	71.5	746	8	FPD2935	FPD2935 Flaveria pr
86	87	18.6	71.5	753	8	FPD2936	FPD2936 Flaveria pr
87	88	18.6	71.5	1667	6	CQ745390	CQ745390 Sequence
88	89	18.6	71.5	1786	5	BC056132	BC056132 Xenopus l
89	90	18.6	71.5	1790	10	AJ278127	AJ278127 Mus muscu
90	91	18.6	71.5	1994	10	AB053465	AB053465 Mus muscu
91	92	18.6	71.5	2107	10	BC018154	BC018154 Mus muscu

c	94	3704	6	ABQ70790	Listeria	Aab79169	DNA encod		
c	95	65.4	8960	4	AAK69657	Human 1mm	Abx62899	Human pro	
c	96	65.4	14708	4	ABL13296	Drosophil	Adp09631	Rice MMSD	
c	97	65.4	20486	4	ABL20698	Drosophil	Adp09614	Rice MMSD	
c	98	65.4	34378	11	ACN44940	Mouse gen	Aab62356	DNA encod	
c	99	65.4	37138	10	ACDB8788	Human mam	Aba18946	Human ner	
c	100	65.4	69350	12	ADM98959	Diterpene	Abal19020	Human ner	
c	101	65.4	8120	9	AAL57571	Human CGI	Abal19021	Human ner	
c	102	65.4	83390	3	AAF22283	BAC conta	Aba18947	Human ner	
c	103	65.4	90220	6	ABK83576	Human cDN	Abq78943	E. coli C	
c	104	65.4	90336	3	AALF22289	BAC conta	Adh80510	Escherich	
c	105	65.4	100000	6	ABQ74541	Human tra	ADH80510	Escherich	
c	106	65.4	110000	4	AAI99682	_37	AAX23517	Human kid	
c	107	65.4	110000	4	AAI99683	_37	ABQ70554	Human Ras	
c	108	65.4	110000	6	ABX08336	_01	Aaf28550	Economic f	
c	109	65.4	110000	10	ACF67367	_39	Adr52892	Drug ther	
c	110	65.4	110000	10	ACF65388	_08	Adl13855	Osteobatr	
c	111	65.4	110000	11	ACN44150	_1	Abn63774	Human can	
c	112	65.4	110000	11	ACN43984	_1	Aac02979	Human sec	
c	113	65.4	110000	12	ADJ25385	_01	Adh12938	Francisel	
c	114	65.4	110000	12	ADN97989	_01	Abv13970	Human pro	
c	115	65.4	110000	12	ADO50281	_01	Adq06727	Soybean t	
c	116	65.4	165156	13	ADS36459	Continuation (40 o	Abv35078	Human pro	
c	117	66.8	64.6	23	AD061511	Continuation (9 of	Aai89334	Human pol	
c	118	66.8	64.6	517	6	ABV96024	Continuation (2 of	Aca43324	Human pro
c	119	66.8	64.6	531	6	ABL2744	Continuation (2 of	Abn62587	Human can
c	120	66.8	64.6	870	8	ACRA40225	Continuation (2 of	Adq51116	Novel can
c	121	66.8	64.6	2157	5	AAS93228	Prokaryot	Adq56938	Novel can
c	122	66.8	64.6	5236	3	AAC99135	DNA encod	Aav35078	Staphyloc
c	123	66.8	64.6	8761	4	AAT57808	Human pan	Aav43316	Prokaryot
c	124	66.8	64.6	66732	13	ABD33428	Human can	Aav61356	3' cdna
c	125	66.6	63.8	209	12	ACH79883	Human gen	Aai6083	Human bla
c	126	66.6	63.8	520	12	ACH79883	Human gen	Adf71681	Human bla
c	127	66.6	63.8	572	3	ACAC42417	Arabidops	Adk57659	Plant DNA
c	128	66.6	63.8	583	10	ADC76318	DNA homol	Abd17547	Pseudomon
c	129	66.6	63.8	640	10	ADD48613	Rat gene	Aah08628	Human CDN
c	130	66.6	63.8	640	10	ADD46874	Rat gene	Aav58596	3' fragme
c	131	66.6	63.8	696	10	ADC77150	DNA homol	Aav61356	3' cdna
c	132	66.6	63.8	780	11	ADM45455	Insect re	Aaa06244	Human imm
c	133	66.6	63.8	785	6	ABN99094	Arabidops	Abt71149	Human pro
c	134	66.6	63.8	1164	3	AAC52133	Arabidops	Aah93160	Human pro
c	135	66.6	63.8	1185	5	ABA14252	Human ner	Aas63452	Human pro
c	136	66.6	63.8	1205	6	ABN98273	Arabidops	Aah02425	Prostate
c	137	66.6	63.8	1410	11	ADT31587	Human CDN	Aah84674	Human pro
c	138	66.6	63.8	1482	3	AAC47941	Arabidops	Aca59561	Prostate
c	139	66.6	63.8	1524	3	AAFP15900	Human PRO	Aas10003	Human pro
c	140	66.6	63.8	1571	12	ADP09648	Rice MMSD	Abv19824	Human FL
c	141	66.6	63.8	1647	10	ADF30460	Mouse ang	Abp58533	Prostate
c	142	66.6	63.8	1698	5	AAS81978	DNA encod	Acb42772	Arabidops
c	143	66.6	63.8	1756	10	ADD44906	Rat gene	Acc94988	Prostate
c	144	66.6	63.8	2000	8	ADTA73332	Rice gene	Adb13454	Human pro
c	145	66.6	63.8	2044	6	ADL61909	Colon ade	Adg22870	Human pro
c	146	66.6	63.8	2044	6	ABK84346	Human cDN	Abk90771	Maize maj
c	147	66.6	63.8	2044	6	ABV78034	Hypoxia-r	Aas87674	DNA encod
c	148	66.6	63.8	2044	10	ADH28975	Human chr	Aah18324	Human cDN
c	149	66.6	63.8	2044	12	ADO19807	Human PRO	Aad16619	Human nov
c	150	66.6	63.8	2044	12	ADO19316	Human PRO	Aai60590	Human pol
c	151	66.6	63.8	2044	12	ADP25164	Breast ca	Aad62063	Human sec
c	152	66.6	63.8	2692	8	ABX62900	Human act	Abd17735	Pseudomon
c	153	66.6	63.8	2886	12	ADP84416	Human act	Abv28134	Human pro
c	154	66.6	63.8	2925	12	ADL02658	DNA encod	Abv24241	Human pro
c	155	66.6	63.8	3153	8	ACA38916	Prokaryot	Acn42346	Human dia
c	156	66.6	63.8	3534	5	AAS84993	DNA encod	Abq26386	Oligonucle
c	157	66.6	63.8	2670	5	AAS92838	DNA encod	Abq26387	Oligonucle
c	158	66.6	63.8	2692	8	AAC9416	DNA encod	Aaf15718	Human pro
c	159	66.6	63.8	2886	12	ADP84416	Human bre	Aai58304	Human pol
c	160	66.6	63.8	2925	12	ADL02658	DNA encod	Adq98719	DNA encod
c	161	66.6	63.8	3153	8	ACA38916	DNA encod	Adb48479	Novel hum
c	162	66.6	63.8	3534	5	AAS94169	DNA encod	Adb48479	Novel hum
c	163	66.6	63.8	5374	12	ADP84417	Human bre	Adb48479	Novel hum
c	164	66.6	63.8	5398	13	ADP23415	PRO polyp	Adb48479	Novel hum
c	165	66.6	63.8	5622	5	AAS90310	DNA encod	Adb48479	Novel hum

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 37.1533 Seconds

(without alignments)

4142.654 Million cell updates/sec

Perfect score: 26

Sequence: 1 tcgttccattggcacacagaa 26

Scoring table: IDENTITY_NUC
Gapop 10_0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters:

8780412

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : N_Geneseq_16Dec04:*

1: geneseqn1980s:*

2: geneseqn1990s:*

3: geneseqn2000s:*

4: geneseqn2001as:*

5: geneseqn2001bs:*

6: geneseqn2002as:*

7: geneseqn2002bs:*

8: geneseqn2003as:*

9: geneseqn2003bs:*

10: geneseqn2003cs:*

11: geneseqn2003ds:*

12: geneseqn2004as:*

13: geneseqn2004bs:*

Result No.	Score	Query	Match	Length	DB ID	Description
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2	26	100.0	197	3	Abv75875	Luciferas
3	26	100.0	632	6	AAC66931	Plant sig
4	26	100.0	1008	12	Acc85050	Inducible
5	26	100.0	1008	12	Abk89709	Oestrogen
6	26	100.0	1008	12	Adc76956	DNA homol
7	26	100.0	1147	4	Adc76953	DNA homol
8	26	100.0	1998	8	Adk58384	Plant DNA
9	26	100.0	2208	2	Adk58382	Plant DNA
10	26	100.0	3706	13	Adk58380	Plant DNA
11	26	100.0	3778	13	Adk58378	Plant DNA
12	26	100.0	7129	10	Adk58375	Plant DNA
13	26	100.0	8012	2	Aax757305	Sugar bee
14	26	100.0	8418	2	Aax757309	Sugar bee
15	26	100.0	8798	2	Aax57308	Sugar bee
16	26	100.0	10846	6	Abs54336	E. coli f
17	26	100.0	10847	2	Aax08923	Vector co
18	26	100.0	10900	6	Aax08924	Vector co
19	26	100.0	10900	6	Abs54337	E. coli f
20	26	100.0	11605	12	Adq13598	Plasmid p
21	26	100.0	12304	8	Abv75876	Luciferas
c	23	26	100.0	12397	8	Abv75875
c	24	24.4	93.8	6128	9	ACC85050
c	25	24.4	93.8	11322	6	ABR89709
c	26	19.6	75.4	614	10	ADC76956
c	27	19.6	75.4	632	10	ADC76953
c	28	19.6	75.4	718	10	ADK57660
c	29	19.6	75.4	736	10	ADK57660
c	30	19.6	75.4	736	10	ADK57660
c	31	19.6	75.4	841	11	ADM44879
c	32	19.6	75.4	847	11	ADM45447
c	33	19.6	75.4	110000	13	ABD32909
c	34	19.2	73.8	2406	4	ABJ09362
c	35	18.8	72.3	289390	13	ABD33143
c	36	18.6	71.5	29912	6	ABK87970
c	37	18.2	70.0	305	2	AAX57263
c	38	18.2	70.0	1176	5	AAH65646
c	39	18.2	70.0	2312	11	Adm01842
c	40	18.2	70.0	4956	2	AAX5770
c	41	18.2	70.0	4956	2	AAX57253
c	42	18.2	70.0	6629	12	ADM32895
c	43	18.2	70.0	6629	12	Adq19826
c	44	18.2	70.0	7059	12	ADQ22725
c	45	18.2	70.0	7059	12	ADQ23948
c	46	18.2	70.0	7475	12	Adp07314
c	47	18.2	70.0	349380	5	AAH68525
c	48	18.2	70.0	349380	5	AH168526
c	49	18	69.2	306	2	AAV72878
c	50	18	69.2	307	2	AAV72881
c	51	18	69.2	714	10	ADK54320
c	52	18	69.2	736	10	ADK57661
c	53	18	69.2	741	11	ADM45450
c	54	18	69.2	7494	4	ABJ22520
c	55	18	69.2	6934	4	ABJ220254
c	56	18	69.2	10938	4	ABL19600
c	57	18	69.2	23914	4	AAS41738
c	58	18	69.2	32217	4	AAC4490
c	60	18	69.2	32265	11	ACN44490
c	61	18	69.2	52710	13	ABD33136
c	62	17.8	68.5	4365	13	ADR85411
c	63	17.8	68.5	4681	13	ADR84824
c	64	17.8	68.5	10681	13	ADR84237
c	65	17.6	67.7	426	3	AC69737
c	66	17.6	67.7	1531	5	ADI45530
c	67	17.6	67.7	3565	4	AAK87302
c	68	17.6	67.7	3565	4	Aak87303
c	69	17.6	67.7	4483	4	Aak87304
c	70	17.6	67.7	7883	6	ABL65808
c	71	17.6	67.7	7909	13	ADP56273
c	72	17.6	67.7	157090	12	ADO47194
c	73	17.6	67.7	27549	11	ACN44194
c	75	17.2	66.2	349338	10	ADC87621
c	76	17.2	66.2	1041	9	ADA30422
c	77	17.2	66.2	1646	9	Ado15580
c	78	17.2	66.2	2183	12	ADO01816
c	79	17.2	66.2	12659	4	ABL01997
c	80	17.2	66.2	18610	4	ABL01996
c	81	17.2	66.2	138827	12	ADQ97183
c	82	17.2	66.2	188017	11	ACN45148
c	83	17	65.4	462	12	ADN13965
c	84	17	65.4	478	13	ACN51885
c	85	17	65.4	555	5	Aah98115
c	86	17	65.4	669	3	AAP12394
c	87	17	65.4	759	2	Aav01704
c	88	17	65.4	894	8	ACR43702
c	89	17	65.4	1506	13	ADS60008
c	90	17	65.4	2199	10	ADC08344
c	91	17	65.4	2244	8	ADG6605
c	92	17	65.4	2471	11	ADM01403
c	93	17	65.4	2502	10	ACF70828

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	26	ABN84495	Arabidops	6	Abn84495	Arabidops
2	26	AZB88564	PLRV	3	AzB88564	CDNA
3	26	ABN83922	E9 3' term	6	Abn83922	Novel motif
4	26	ABD37162	Plant Yie	10	Ado1896	Thalecris
5	26	ADI41630	Plant tra	12	Ado01896	Drosophili
6	26	ADU01898	E9 3'	12	Ado01898	Hormone-1
7	26	ADD6161	Arabidops	4	Ado06161	Aspergilli
8	26	ABV776269	Expressio	8	Abv0776269	Human can.
9	26	AAQ39180	AAQ39180 truncated	2	Aaq39180	Prokaryot
10	26	AAQ43368	H7-1 tran	13	Adr43368	Mouse gen
11	26	ABV75876	Vector pV	13	Abv75876	Human pro
12	26	ABE97423	ABE97423	10	Ado97423	Cotton an-
13	26	ABX57305	Sugar bee	2	Aax57305	Murine 7-
14	26	ABX57309	Sugar bee	2	Aax57309	Aspergilli
15	26	ABX57308	Sugar bee	2	Aax57308	Human can.
16	26	ABX54336	E. coli f	6	Abs54336	Bacterial
17	26	ABX08923	Vector co	2	Aax08923	Rice DNA
18	26	ABX08924	Vector co	2	Aax08924	Rice gene
19	26	ABX54337	E. coli f	12	Abs54337	Human cDN
20	26	ABD33143	Plasmid p	12	Adq13598	Photobacter

98	22.8	BQ151926	NF001H03I	BF006450	EST434948
99	21.8	BZ249672	NF020805L	BF636780	2
100	21.8	BQ153408	NF036805I	BF638B168	2
C 101	21.8	BQ153408	NF036805I	AQ981184	EST392337
C 102	21.8	BQ153408	NF036805I	BE123979	EST394104
C 103	21.8	BQ153408	NF036805I	AW127673	M110417
C 104	21.8	BQ005120	EST434618	BF005120	EST434618
C 105	21.8	BQ1263591	NF087011P	B1263591	NF087011P
C 106	21.8	BQ006155	EST434598	BF006155	EST434598
107	21.8	BQ153408	NF036805I	BP636289	NF109003D
108	21.8	BQ153408	NF036805I	BF005333	EST433831
109	21.8	BQ153408	NF036805I	BP519419	EST458892
110	21.8	BQ451570	NF110409D	BG451570	NF110409D
C 111	21.8	BQ153408	NF036805I	AW127576	M110303
112	21.8	BQ153408	NF036805I	BW638066	NF028A12P
113	21.8	BQ153408	NF036805I	BF005048	EST434705P
114	21.8	BQ153408	NF036805I	BP519923	EST457389
115	21.8	BQ153408	NF036805I	BF005300	EST43264L
116	21.8	BQ153408	NF036805I	BF005300	EST43264L
117	21.8	BQ153408	NF036805I	BP519923	EST457469
118	21.8	BQ153408	NF036805I	BF005300	EST43264L
119	21.8	BQ153408	NF036805I	BP520001	EST433903
120	21.8	BQ153408	NF036805I	BP005410	EST433908
121	21.8	BQ153408	NF036805I	BP005412	EST433910
122	21.8	BQ153408	NF036805I	BP005425	EST433923
123	21.8	BQ153408	NF036805I	BP519998	EST453946
124	21.8	BQ153408	NF036805I	AW775368	EST34703
125	21.8	BQ153408	NF036805I	C 197	EST433912
126	21.8	BQ153408	NF036805I	BF005413	EST433911
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129	21.8	BQ153408	NF036805I	BP005450	EST433948
130	21.8	BQ153408	NF036805I	BP006262	EST434760
131	21.8	BQ153408	NF036805I	BP006628	EST35126
132	21.8	BQ153408	NF036805I	BP006181	EST434616
133	21.8	BQ153408	NF036805I	BP520291	EST457761
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135	21.8	BQ153408	NF036805I	BF632299	NF017001D
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175	21.8	BQ153408	NF036805I	BF006770	2
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179	21.8	BQ153408	NF036805I	BP319309	NF004F05L
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193	21.8	BQ153408	NF036805I	BP632034	EST457804
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101	4	US-09-949-016-17444	Sequence 17444, A
102	4	US-09-949-016-17261	Sequence 17261, A
103	4	US-09-949-016-12742	Sequence 12742, A
104	4	US-09-949-016-15576	Sequence 15576, A
105	4	US-09-949-016-11777	Sequence 11777, A
106	4	US-09-949-016-16295	Sequence 16295, A
107	4	US-09-949-016-12731	Sequence 12731, A
108	4	US-09-949-016-13239	Sequence 13239, A
109	4	US-09-949-016-14577	Sequence 14577, A
110	4	US-09-949-016-1940	Sequence 11940, A
111	4	US-09-949-016-11808	Sequence 11808, A
112	4	US-09-949-016-13388	Sequence 13388, A
113	4	US-09-949-016-1044	Sequence 1044, AP
114	4	US-09-1751-389-3	Sequence 3, Appl.i
115	3	US-09-949-016-17417	Sequence 17417, AP
120	3	US-09-949-016-17417	Sequence 17417, AP
121	3	US-09-949-016-17435	Sequence 17435, AP
122	3	US-09-949-016-17436	Sequence 17436, AP
123	3	US-09-949-016-1044	Sequence 1044, AP
124	3	US-09-949-016-1104	Sequence 1104, AP
125	3	US-09-949-016-1272-2	Sequence 2, Appl.i
126	3	US-09-107-433-2214	Sequence 1, Appl.i
127	3	US-09-949-016-16011	Sequence 16011, A
128	2	US-09-949-016-16105	Sequence 16105, A
129	2	US-09-949-016-16169	Sequence 13881, A
130	2	US-09-949-016-16674	Sequence 16674, A
131	2	US-09-949-016-16675	Sequence 16675, A
132	2	US-09-949-016-15379	Sequence 15379, A
133	2	US-09-949-002-41	Sequence 41, AP
134	2	US-09-949-016-13506	Sequence 13506, A
135	16	US-09-540-236-88	Sequence 88, Appl.i
136	16	US-09-237-712-2	Sequence 2, Appl.i
137	16	US-09-949-016-16674	Sequence 16674, A
138	16	US-09-949-016-16675	Sequence 16675, A
139	16	US-09-949-016-77943	Sequence 77943, A
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141	16	US-09-949-016-123034	Sequence 123034, A
142	16	US-09-949-016-123128	Sequence 123128, A
143	16	US-09-949-016-123242	Sequence 123224, A
144	16	US-09-949-016-123316	Sequence 123316, A
145	16	US-09-949-016-123358	Sequence 123358, A
146	16	US-09-949-016-123400	Sequence 123400, A
147	16	US-09-949-016-123442	Sequence 123442, A
148	16	US-09-949-016-123494	Sequence 123494, A
149	16	US-09-949-016-123526	Sequence 123526, A
150	16	US-09-949-016-123568	Sequence 123568, A
151	16	US-09-949-016-136310	Sequence 123610, A
152	16	US-09-949-016-123652	Sequence 123652, A
153	16	US-09-949-016-123694	Sequence 123694, A
154	16	US-09-949-016-123736	Sequence 123736, A
155	16	US-09-949-016-147333	Sequence 147333, AP
156	16	US-09-949-016-169651	Sequence 169651, AP
157	16	US-08-927-219-46	Sequence 6, Appl.i
158	16	US-09-338-352-2688	Sequence 2688, AP
159	16	US-09-949-016-123694	Sequence 123694, AP
160	16	US-09-949-016-123736	Sequence 123736, AP
161	16	US-09-949-016-123826	Sequence 123826, AP
162	16	US-09-641-612-9	Sequence 6, Appl.i
163	16	US-09-088-740-8	Sequence 8, Appl.i
164	16	US-09-433-753-8	Sequence 1603, Appl.i
165	16	US-09-270-767-11320	Sequence 11320, A
166	16	US-09-134-000-2771	Sequence 7, Appl.i
167	16	US-09-620-312D-459	Sequence 459, AP
168	16	US-09-620-312D-461	Sequence 461, AP
169	16	US-09-620-312D-460	Sequence 460, AP
170	16	US-09-927-219-130	Sequence 130, AP
171	16	US-09-107-107-107	Sequence 16516, A
172	16	US-09-963-908-2	Sequence 15217, A
173	16	US-09-248-798A-1603	Sequence 1603, AP
174	16	US-09-949-016-15218	Sequence 15218, A
175	16	US-09-949-016-15219	Sequence 15219, A
176	16	US-09-949-016-15220	Sequence 15220, A
177	16	US-09-949-016-15221	Sequence 15221, A
178	16	US-09-949-016-15222	Sequence 15222, A
179	16	US-09-949-016-15223	Sequence 15223, A
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181	16	US-09-949-016-15225	Sequence 15225, A
182	16	US-09-949-016-15226	Sequence 15226, A
183	16	US-09-949-016-15227	Sequence 15227, A
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185	16	US-10-212-877-3	Sequence 3, Appl.i
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309	16	US-09-949-016-15346	Sequence 15346, A
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311	16	US-09-949-016-15348	Sequence 15348, A
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 11.1533 Seconds

(without alignments)
3814.402 Million cell updates/sec

Title: US-09-912-968A-9
Perfect score: 26
Sequence: 1 tcagttatggcgacacccaga 26

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 500 summaries

Database : Issued Patents NA:*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:
5: /cgn2_6/ptodata/1/ina/PCITUS_COMB.seq:
6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description	
1	26	100.0	197	1	US-08-326-297-4	Sequence 4 , Appli	
2	26	100.0	197	3	US-08-617-454-4	Sequence 4 , Appli	
3	26	100.0	197	5	PCITUS94-01144-4	Sequence 4 , Appli	
4	26	100.0	2124	1	US-08-973-11	Sequence 11 , Appli	
5	26	100.0	2124	1	US-08-803-972-11	Sequence 11 , Appli	
6	26	100.0	9012	3	US-09-182-117-1	Sequence 1 , Appli	
7	26	100.0	8012	4	US-09-434-039A-1	Sequence 1 , Appli	
8	26	100.0	8418	3	US-09-117-5	Sequence 5 , Appli	
9	26	100.0	8418	4	US-09-134-039A-5	Sequence 5 , Appli	
10	26	100.0	8798	3	US-09-182-117-4	Sequence 4 , Appli	
11	26	100.0	8798	4	US-09-434-039A-4	Sequence 4 , Appli	
12	26	100.0	10846	3	US-09-098-219B-5	Sequence 5 , Appli	
13	26	100.0	10845	4	US-10-164-204-5	Sequence 5 , Appli	
14	26	100.0	10846	4	US-09-933-109-5	Sequence 5 , Appli	
15	26	100.0	10900	3	US-09-098-219B-6	Sequence 6 , Appli	
16	26	100.0	10900	4	US-10-164-204-6	Sequence 6 , Appli	
17	26	100.0	10900	4	US-09-933-109-6	Sequence 6 , Appli	
18	26	100.0	12614	4	US-09-577-424-1	Sequence 1 , Appli	
19	24.4	93.8	11522	4	US-10-052-092-19	Sequence 19 , Appli	
c	20	18.6	71.5	169334	4	US-09-949-016-15999	Sequence 15999 , A
c	21	17.6	67.7	51254	4	US-09-949-016-15009	Sequence 15009 , A
c	22	17.6	67.7	51254	4	US-09-949-016-15010	Sequence 15010 , A
c	23	17.6	67.7	51754	4	US-09-949-016-15011	Sequence 15011 , A
c	24	17.6	67.7	51754	4	US-09-949-016-15012	Sequence 15012 , A
c	25	17.6	67.7	51754	4	US-09-949-016-15275	Sequence 15276 , A
c	26	17.6	67.7	51754	4	US-09-949-016-15276	Sequence 15277 , A
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Result No.	Score	Query	Match	Length	DB ID	Description	
1	26	100.0	197	1	US-08-326-297-4	Sequence 4 , Appli	
2	26	100.0	197	3	US-08-617-454-4	Sequence 4 , Appli	
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4	26	100.0	2124	1	US-08-973-11	Sequence 11 , Appli	
5	26	100.0	2124	1	US-08-803-972-11	Sequence 11 , Appli	
6	26	100.0	9012	3	US-09-182-117-1	Sequence 1 , Appli	
7	26	100.0	8012	4	US-09-434-039A-1	Sequence 1 , Appli	
8	26	100.0	8418	3	US-09-117-5	Sequence 5 , Appli	
9	26	100.0	8418	4	US-09-134-039A-5	Sequence 5 , Appli	
10	26	100.0	8798	3	US-09-182-117-4	Sequence 4 , Appli	
11	26	100.0	8798	4	US-09-434-039A-4	Sequence 4 , Appli	
12	26	100.0	10846	3	US-09-098-219B-5	Sequence 5 , Appli	
13	26	100.0	10845	4	US-10-164-204-5	Sequence 5 , Appli	
14	26	100.0	10846	4	US-09-933-109-5	Sequence 5 , Appli	
15	26	100.0	10900	3	US-09-098-219B-6	Sequence 6 , Appli	
16	26	100.0	10900	4	US-10-164-204-6	Sequence 6 , Appli	
17	26	100.0	10900	4	US-09-933-109-6	Sequence 6 , Appli	
18	26	100.0	12614	4	US-09-577-424-1	Sequence 1 , Appli	
19	24.4	93.8	11522	4	US-10-052-092-19	Sequence 19 , Appli	
c	20	18.6	71.5	169334	4	US-09-949-016-1709	Sequence 1709 , AD
c	21	17.6	67.7	51254	4	US-09-949-016-17499	Sequence 17499 , A
c	22	17.6	67.7	51254	4	US-09-949-016-16452	Sequence 16452 , A
c	23	17.6	67.7	51754	4	US-09-949-016-15285	Sequence 15285 , A
c	24	17.6	67.7	51754	4	US-09-949-016-17306	Sequence 17306 , A
c	25	17.6	67.7	51754	4	US-09-949-016-15281	Sequence 15281 , A
c	26	17.6	67.7	51754	4	US-09-949-016-17071	Sequence 17071 , A
c	27	17.6	67.7	51754	4	US-09-949-016-15794	Sequence 15794 , A
c	28	17.6	67.7	51754	4	US-09-949-016-15278	Sequence 15278 , A
c	29	17.6	67.7	51754	4	US-09-949-016-15844	Sequence 15844 , A
c	30	17.2	66.2	1103	4	US-09-210-767-7405	Sequence 7405 , AD
c	31	17.2	66.2	1103	4	US-09-210-767-7405	Sequence 7405 , AD
c	32	17.2	66.2	26011	4	US-09-949-016-17499	Sequence 17499 , A
c	33	17.2	66.2	52951	4	US-09-949-016-16452	Sequence 16452 , A
c	34	17.2	66.2	52951	4	US-09-949-016-15285	Sequence 15285 , A
c	35	17	65.4	19854	4	US-09-949-016-17306	Sequence 17306 , A
c	36	17	65.4	19854	4	US-09-949-016-15281	Sequence 15281 , A
c	37	17	65.4	91559	4	US-09-949-016-17071	Sequence 17071 , A
c	38	17	65.4	440765	3	US-09-949-016-15794	Sequence 15794 , A
c	39	17	65.4	440765	3	US-09-949-016-15281	Sequence 15281 , A
c	40	17	65.4	4411529	3	US-09-949-016-15794	Sequence 15794 , A
c	41	16.8	64.6	123513	4	US-09-949-016-15794	Sequence 15794 , A
c	42	16.6	63.8	1014	4	US-09-248-796-15974	Sequence 15974 , A
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c	44	16.6	63.8	13179	4	US-09-513-996-2995	Sequence 1852 , APP
c	45	16.6	63.8	2925	4	US-09-540-236-384	Sequence 184 , APP
c	46	16.6	63.8	13424	4	US-09-949-016-13594	Sequence 13594 , A
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c	48	16.6	63.8	9929	4	US-09-536-002-37	Sequence 37 , APP
c	49	16.6	63.8	130563	4	US-09-949-016-12273	Sequence 12273 , A
c	50	16.6	63.8	13179	4	US-09-949-016-16050	Sequence 16050 , A
c	51	16.4	63.1	390	4	US-09-513-996-2995	Sequence 2195 , APP
c	52	16.4	63.1	601	4	US-09-540-236-384	Sequence 76333 , A
c	53	16.4	63.1	601	4	US-09-949-016-76334	Sequence 76334 , A
c	54	16.4	63.1	601	4	US-09-949-016-77942	Sequence 77942 , A
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c	56	16.4	63.1	640	4	US-08-956-171E-418	Sequence 418 , APP
c	57	16.4	63.1	744	4	US-09-781-985A-416151	Sequence 16151 , A
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c	60	16.4	63.1	828	3	US-09-352-616A-4	Sequence 4 , APP
c	61	16.4	63.1	828	3	US-09-781-985A-416151	Sequence 4 , APP
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c	63	16.4	63.1	828	4	US-09-636-215-4	Sequence 4 , APP
c	64	16.4	63.1	828	4	US-09-635-16A-4	Sequence 4 , APP
c	65	16.4	63.1	828	4	US-09-115-453-4	Sequence 4 , APP
c	66	16.4	63.1	828	4	US-09-638-489-4	Sequence 4 , APP
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c	72	16.4	63.1	1086	1	US-08-415-751-28	Sequence 16449 , A
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c	74	16.4	63.1	1341	3	US-08-983-07D-8	Sequence 8 , APP
c	75	16.4	63.1	1358	3	US-08-983-07D-8	Sequence 16339 , A
c	76	16.4	63.1	1410	4	US-09-949-016-16339	Sequence 1840 , AP
c	77	16.4	63.1	1507	4	US-09-670-312D-389	Sequence 389 , APP
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c	79	16.4	63.1	1682	4	US-09-670-312D-389	Sequence 382 , APP
c	80	16.4	63.1	3279	3	US-09-651-236-382	Sequence 382 , APP
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c	82	16.4	63.1	3279	4	US-09-636-215-382	Sequence 382 , APP
c	83	16.4	63.1	3279	4	US-09-685-16A-382	Sequence 382 , APP
c	84	16.4	63.1	3279	4	US-09-687-16A-382	Sequence 382 , APP
c	85	16.4	63.1	3279	4	US-09-759-143-382	Sequence 382 , APP
c	86	16.4	63.1	3279	4	US-09-651-236-382	Sequence 382 , APP
c	87	16.4	63.1	5163	3	US-09-651-236-382	Sequence 382 , APP
c	88	16.4	63.1	5163	3	US-09-928-361B-4	Sequence 382 , APP
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c	91	16.4	63.1	5318	3	US-08-928-361B-3	Sequence 3 , APP
c	92	16.4	63.1	5318	4	US-09-588-99A-3	Sequence 3 , APP
c	93	16.4	63.1	5511	3	US-08-928-361B-2	Sequence 2 , APP
c	94	16.4	63.1	5511	4	US-09-588-99A-2	Sequence 2 , APP
c	95	16.4	63.1	6139	4	US-08-843-07D-33	Sequence 33 , APP
c	96	16.4	63.1	7334	3	US-08-928-361B-1	Sequence 1 , APP
c	97	16.4	63.1	7334	4	US-09-588-99A-1	Sequence 1 , APP
c	98	16.4	63.1	8436	4	US-09-949-016-135863	Sequence 135863 , A
c	99	16.4	63.1	9813	4	US-09-949-016-135863	Sequence 135863 , A
c	100	16.4	63.1	13214	4	US-09-949-016-14015	Sequence 14

c	81	17.2	188017	13	US-10-087-192-1951	Sequence 1951, AP	Sequence 120774
b2	82	17	65.4	224	18	US-10-424-599-13547	Sequence 113597, AP
b3	83	17	65.4	337	20	US-10-425-115-17016	Sequence 17016, A
c	84	17	65.4	414	17	US-10-242-535A-23715	Sequence 23715, A
c	85	17	65.4	414	19	US-10-085-3783A-33715	Sequence 6666, AP
c	86	17	65.4	478	19	US-10-021-323-6666	Sequence 114199, AP
c	87	17	65.4	557	13	US-10-027-632-114499	Sequence 114500, AP
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c	91	17	65.4	559	18	US-10-24-525-13126	Sequence 13126, AP
c	92	17	65.4	608	20	US-10-12-115-13710	Sequence 726, APP
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c	102	17	65.4	894	17	US-10-282-122A-31572	Sequence 31572, A
c	103	17	65.4	939	19	US-10-76-701-7929	Sequence 7929, AP
c	104	17	65.4	1506	17	US-10-369-93-35682	Sequence 35682, AP
c	105	17	65.4	1755	19	US-10-437-663-88870	Sequence 89870, AP
c	106	17	65.4	2471	17	US-10-18-260A-88	Sequence 16134, AP
c	107	17	65.4	2882	19	US-10-437-963-16134	Sequence 16134, AP
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c	113	17	65.4	70780	20	US-10-10-18-260A-88	Sequence 16134, AP
c	114	17	65.4	165156	19	US-10-741-301-5668	Sequence 5668, AP
c	115	17	65.4	439892	13	US-10-087-192-4545	Sequence 205, APP
c	116	17	65.4	493631	13	US-10-087-192-205	Sequence 1, APP
c	117	17	65.4	1691139	14	US-10-067-514-1	Sequence 1, APP
c	118	17	65.4	1691139	17	US-10-19-723-1	Sequence 9759, AP
c	119	16.8	64.6	249	20	US-10-425-115-97595	Sequence 9759, AP
c	120	16.8	64.6	517	14	US-10-06-036-1432	Sequence 1432, AP
c	121	16.8	64.6	531	9	US-09-954-531-13	Sequence 13, APP
c	122	16.8	64.6	531	21	US-10-843-61A-1080	Sequence 1080, AP
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c	127	16.8	64.6	5236	9	US-09-259-297-363	Sequence 363, APP
c	128	16.8	64.6	8761	13	US-10-958-841-11	Sequence 1, APP
c	129	16.8	64.6	68732	19	US-10-322-881-560	Sequence 560, APP
c	130	16.8	64.6	137	13	US-09-709-636-574	Sequence 574, APP
c	131	16.6	63.8	201	21	US-10-741-660-70176	Sequence 70176, A
c	132	16.6	63.8	209	16	US-10-029-586-2678	Sequence 84687, A
c	133	16.6	63.8	339	20	US-10-425-115-54489	Sequence 54489, A
c	134	16.6	63.8	471	20	US-10-425-115-17682	Sequence 17682, A
c	135	16.6	63.8	520	16	US-10-029-886-13078	Sequence 13078, A
c	136	16.6	63.8	526	20	US-10-425-115-61119	Sequence 6119, AP
c	137	16.6	63.8	531	13	US-10-027-632-86867	Sequence 84687, A
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c	148	16.6	63.8	702	17	US-10-027-632-166242	Sequence 166242, A
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c	151	16.6	63.8	859	13	US-10-027-632-158089	Sequence 33505, A
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:57 ; Search time 115.702 Seconds
(without alignments)

1409.457 Million cell updates/sec

Title: US-09-912-968A-9
Perfect score: 26
Sequence: 1 tcagtttcattgcacacacaa 26

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 6313374 seqs, 3136092125 residues

Total number of hits satisfying chosen parameters:

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Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 1.0%

Maximum Match 1.00%

Listing first 500 summaries

Published Applications NA:*

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Pred. No. is the number of results Predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	26	100.0	632	US-10-015-637-7
3	26	100.0	1008	US-10-225-068-101
4	26	100.0	1008	US-10-374-780A-93
5	26	100.0	1008	US-10-412-699B-309
6	26	100.0	1008	US-10-225-068-101
7	26	100.0	1998	US-10-477-240-A8

Sequence 8, Appli

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9	26	100.0	3778	US-10-376-763A-5
10	26	100.0	7129	US-10-047-542-101
11	26	100.0	10846	US-09-923-109-5
12	26	100.0	10846	US-10-164-204-5
13	26	100.0	10900	US-09-923-109-6
14	26	100.0	10900	US-10-164-204-6
15	26	100.0	10900	US-10-705-430-6
16	26	100.0	10900	US-10-705-430-6
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18	26	100.0	12497	US-10-473-945-5
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c	27	19.6	75.4	736
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c	29	19.6	75.4	721377
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c	31	18.8	72.3	289190
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144	22	100.0	635	2	BF638034	NF037H12L	CD847552	WF043A12Y
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146	22	100.0	636	4	BF457975	NF037C07P	CD856584	WF04222E
147	22	100.0	636	4	BF519077	EST455537	CD846937	WF097219
148	22	100.0	636	4	BF458084	NF051H08P	CD847552	WF043A12Y
149	22	100.0	636	4	BI264027	NF092F07P	CD847552	WF043A12Y
150	22	100.0	636	2	BF005324	EST455804	CD847552	WF043A12Y
151	22	100.0	636	4	BF639086	NF052D06P	CD858405	WF043A001
152	22	100.0	636	4	BF457975	NF037C07P	CF095707	WF043A001
153	22	100.0	636	4	BF455501	NF065B11P	CF095973	WF043A001
c 154	22	100.0	636	4	BF457809	NF037G05P	CF097219	WF043A001
155	22	100.0	636	4	CA919375	EST37G05P	CF095973	WF043A001
156	22	100.0	636	4	BF638411	NF099B08P	CF095973	WF043A001
157	22	100.0	636	4	BF639038	NF037H12L	CF095973	WF043A001
158	22	100.0	637	4	BF339117	NF080A11P	CF082584	WF043A001
159	22	100.0	637	4	BF639323	NF081G04L	CF084136	WF043A001
160	22	100.0	637	4	BF006105	EST434675	CF086930	WF043A001
161	22	100.0	637	4	BF638379	NF045F07P	CF095973	WF043A001
162	22	100.0	637	4	BF632137	NF055F07P	CF095973	WF043A001
163	22	100.0	637	4	BF632379	NF079B12P	CF095973	WF043A001
c 164	22	100.0	637	4	BF156829	NF097F06I	CF085702	WF043A001
165	22	100.0	637	4	BF164008	NF107C09P	CF085831	WF043A001
166	22	100.0	637	4	BF634857	NF075C11D	CF085964	WF043A001
167	22	100.0	637	4	BF45554	NF059C12P	CF084537	WF043A001
168	22	100.0	637	4	BF449570	NF054AA8I	CF084537	WF043A001
169	22	100.0	637	4	BF638751	NF064A10P	CF079582	WF043A001
170	22	100.0	637	2	BF634670	NF063C08D	CF080781	WF043A001

94	78.2	271	12	ADP57246	Soybean c	Aah41223	Pyrococcus	
95	17.2	272	12	ADP57248	Soybean c	Aah41224	Pyrococcus	
96	17.2	276	12	ADP57248	Soybean c	Abn89069	Human pro	
97	17.2	281	12	ADP57245	Soybean c	Abn89069	Human pro	
98	17.2	282	12	ADP57245	Soybean c	Abn89069	Human pro	
99	17.2	283	12	ADP57245	Soybean c	Adf09266	Pseudomon	
100	17.2	291	12	ADP57231	Soybean c	Adt71005	Bacteriop	
101	17.2	294	12	ADP57257	Soybean c	Ado41836	Bacteriop	
c 102	17.2	316	12	ADP57257	Soybean c	Aax13510	Enterococ	
103	17.2	331	11	ADM45175	Insect re	Aba23789	Prokaryot	
104	17.2	354	12	ADP57744	Soybean c	Aas53272	Haemophil	
105	17.2	356	12	ADP57746	Soybean c	Aca34084	Prokaryot	
106	17.2	392	12	ADP57729	Soybean c	Adb46666	Bacterial	
c 107	17.2	426	13	ACN61094	Coton 9Y	Adb60944	Bacterial	
108	17.2	579	11	ADM45168	Insect re	Ab129615	Drosophil	
109	17.2	581	10	ADC75089	N bentham	Ab129598	Drosophil	
110	17.2	608	10	ADC76944	DNA homol	Ab125950	Drosophil	
111	17.2	609	10	ADC76955	DNA homol	Ab125952	Drosophil	
112	17.2	614	10	ADC76956	DNA homol	Aaq50433	Partial h	
113	17.2	615	10	ADC76948	DNA homol	Ab129804	Drosophil	
114	17.2	619	11	ADM45158	Insect re	Ab192248	Chemical	
115	17.2	632	10	ADC76953	DNA homol	Aas59637	Propionib	
116	17.2	668	10	ADK59855	Plant DNA	Abc64566	Propionib	
117	17.2	668	11	ADM5687	Insect re	Aax13166	Enterococ	
118	17.2	684	10	ADC76948	DNA homol	Abd98961	Enterococ	
119	17.2	714	10	ADK54320	Plant DNA	Abd192252	Drosophil	
120	17.2	718	10	ADK58332	Plant DNA	Aa154538	Arabidops	
121	17.2	732	11	ADM45181	Insect re	Adq59167	MSI-H car	
122	17.2	736	10	ADK54321	Plant DNA	Adq05104	Soybean c	
123	17.2	736	10	ADK57661	Plant DNA	Adp57680	Soybean c	
124	17.2	736	10	ADK57660	Plant DNA	Aah53449	S. epider	
c 125	17.2	741	11	ADM45455	Insect re	Abn91324	Staphyloc	
c 126	17.2	806	11	ADM45866	Insect re	Adb01080	Staphyloc	
127	17.2	841	11	ADM44879	Insect re	Aac45166	Arabidops	
128	17.2	847	11	ADM45437	Insect re	Ab193846	Arabidops	
129	17.2	859	11	ADM45055	Insect re	Adb193405	Arabidops	
c 130	17.2	924	10	ADC75566	DNA homol	AdeB1601	Arabidops	
c 131	17.2	958	10	ADC76165	DNA homol	Aac48432	Arabidops	
c 132	17.2	1959	3	AAA07582	MariGold	Adm45126	Insect re	
c 133	16.8	76.4	203	11	ADM45126	Insect re	Adn73596	Thale cre
c 134	16.8	76.4	110000	6	ABN71527	Continuation (8 of	Abd61150	Human fo
c 135	16.4	74.5	624	11	ABD16287	Pseudomon	Aai41668	Probe #78
c 136	16.4	74.5	1536	4	ABD16136	Pseudomon	Abd93405	Arabidops
c 137	16.4	74.5	1557	4	Aah15681	Human cDN	Aba29313	Probe #78
c 138	16.4	74.5	1557	11	ABD16411	Pseudomon	Aak35954	Human bon
c 139	16.4	74.5	1560	4	AAK66170	Human imm	Adm45126	Insect re
c 140	16.2	73.6	231	12	ADK57559	Soybean c	Adm45126	Insect re
c 141	16.2	73.6	238	12	ADP57556	Soybean c	Abd16136	Pseudomon
c 142	16.2	73.6	257	12	ADP57336	Soybean c	Abp66100	Arabidops
c 143	16.2	73.6	364	2	Aaq80917	Sporce tr	Aac47674	Arabidops
c 144	16.2	73.6	622	10	ADD17683	DNA (sequi	Ac43137	Arabidops
c 145	16.2	73.6	622	10	ADK56233	Plant DNA	Adm45116	Insect re
c 146	16.2	73.6	622	10	ADK57288	Plant DNA	Adm45153	Insect re
c 147	16.2	73.6	744	4	ABU27153	Drosophil	Abk30540	Plant dwa
c 148	16.2	73.6	1045	3	AFU14588	Aspergill	Abv60888	Sequence
c 149	16.2	73.6	2000	10	ADC08578	Rice DNA	Abx56841	Plant dwa
c 150	16.2	73.6	2000	10	ACG60813	Gene sequ	Adm44972	Insect re
c 151	16.2	73.6	3189	8	ACA45362	Prokaryot	Adm45551	Insect re
c 152	16.2	73.6	3242	4	ABU27148	Drosophil	Abq65767	Arabidops
c 153	16.2	73.6	2714	4	ABU27182	Drosophil	Abk30788	Plant dwa
c 154	16.2	73.6	2791	10	ADE54659	Rat Gene	Abm99150	Arabidops
c 155	16.2	73.6	2877	4	ABL05176	Drosophil	Abn99112	Arabidops
c 156	16.2	73.6	2990	4	ABL27152	Drosophil	Abn99112	Arabidops
c 157	16.2	73.6	3189	8	ACB145362	Prokaryot	Abd11899	Pseudomon
c 158	16.2	73.6	3210	4	ABU27148	Drosophil	Abn99163	Arabidops
c 159	16.2	73.6	5814	4	ABU27160	Drosophil	Aah67600	C Glutami
c 160	16.2	73.6	5334	4	ABU18746	Drosophil	Abn99150	Arabidops
c 161	16.2	73.6	11477	4	ABL17946	Drosophil	Abn99112	Arabidops
c 162	16.2	73.6	12600	4	ABL17948	Drosophil	Abn99112	Arabidops
c 163	16.2	73.6	12600	4	ABL17952	Drosophil	Abn98171	Arabidops
c 164	16.2	73.6	12600	4	ABL27368	Drosophil	Abg83212	Coffee rb
c 165	16.2	73.6	37091	4	ABL14244	Drosophil	Adk64181	Disease t
c 166	16.2	73.6	177587	11	ACN44806	Human gen	Abd11950	Pseudomon

GenCore version 5.1.6
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OM nucleic - nucleic search, using SW model

Run on: July 5, 2005, 11:52:58 ; Search time 31.4374 Seconds
 (without alignments)
 4142.654 Million cell updates/sec

Title: US-09-912-968A-7
 Perfect score: 22
 Sequence: 1 caacgttcgtcaaggtaatgc 22

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 1.0

Searched: 439026 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0
 Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%

Listing first 500 summaries

Database : N_Geneseq_16Dec04:
 1: geneseqn1990bs:**
 2: geneseqn1990bs:**
 3: geneseqn2004bs:**
 4: geneseqn2004bs:**
 5: geneseqn2004bs:**
 6: geneseqn2004bs:**
 7: geneseqn2004bs:**
 8: geneseqn2004bs:**
 9: geneseqn2004bs:**
 10: geneseqn2004bs:**
 11: geneseqn2004bs:**
 12: geneseqn2004bs:**
 13: geneseqn2004bs:**

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	22	100.0	22	6 ABN54493	Abr84493 Arabidops
2	22	100.0	197	3 AAZ288564	Aaz288564 PLRV cDNA
3	22	100.0	632	6 ABN3922	Abn3922 E9 3' term
4	22	100.0	761	12 AD003550	Ado03550 Thalecrus
5	22	100.0	824	12 AD003552	Ado03552 Thalecrus
6	22	100.0	835	12 AD003546	Ado03546 Thalecrus
7	22	100.0	1008	10 AD033762	Ade37162 Plant Yie
8	22	100.0	1008	12 AD141630	Adi141630 Plant tra
9	22	100.0	1008	12 AD001896	Ado01896 Thalecrus
10	22	100.0	1147	4 AAD06461	Ado06461 Arabidops
11	22	100.0	1998	8 ABV76269	Abv76269 Expressio
12	22	100.0	2208	2 AAQ39180	Aaq39180 Truncated
13	22	100.0	3705	13 ADR49368	Adr49368 HT-1 tran
14	22	100.0	3778	13 ADR49357	Adr49357 Vector pV
c	15	22	100.0	9 ACCB5050	Accb5050 Inducible
c	16	22	100.0	7129	Ade97423 DNA deriv
c	17	22	100.0	8012	AAX7305 Sugar bee
c	18	22	100.0	8418	AAX7309 Sugar bee
c	19	22	100.0	8798	AAX7308 Sugar bee
c	20	22	100.0	10846	ABSS54336 E. coli f

93	17.8	80.9	1254	10	AY548112	Mus muscu	CR812484	Danio rer		
94	17.8	80.9	1829	10	BC024505	Mus muscu	AC117653	AC117653		
95	17.8	80.9	2254	10	BC036155	Mus muscu	C166	17.2		
c	96	17.8	80.9	2407	5	AB009074	Triakis s	C167	17.2	
	97	17.8	80.9	2589	10	BC046789	Mus muscu	C168	17.2	
c	98	17.8	80.9	2636	10	AY243534	Mus muscu	AC008069	Homo sapi	
	99	17.8	80.9	2674	10	BC016252	Mus muscu	AC087174	Homo sapi	
c	100	17.8	80.9	3024	8	CIPRBCS	Mesembryant	AC069334	Homo sapi	
	101	17.8	80.9	39215	3	CBD1054	274030 Caenorhabdi	AC022148	Homo sapi	
	102	17.8	80.9	110000	1	BX08798	Continuation (12 o	AC022148	Rattus no	
	103	17.8	80.9	110000	8	CR38122_06	Continuation (7 o	AC128355	Rattus no	
	104	17.8	80.9	184111	2	AC110142	AC110142 Rattus no	AP005939	Bradyrhiz	
	105	17.8	80.9	204926	2	AC128263	AC128263 Rattus no	AP005089	Vibrio pa	
c	106	17.8	80.9	212046	2	AC131582	AC131582 Mus muscu	AK113197	Clona int	
c	107	17.8	80.9	215278	10	AC069562	AC069562 Mus muscu	AF337016	Aphidius	
c	108	17.8	80.9	25567	2	AC121743	AC121743 Rattus no	AC040497_T7_end_of	Rattus no	
c	109	17.8	79.1	79.1	312	8	AY185117	Brassica	AF303251	Caenorhab
c	110	17.8	79.1	85368	9	AC073516	AC073516 Homo sapi	AL009246	Caenorhab	
c	111	17.8	79.1	97982	8	AC140722	Medicago	AE014227	Screptoco	
c	112	17.8	79.1	112516	9	AC080079	AC080079 Homo sapi	U23486	Caenorhabdi	
c	113	17.8	79.1	117678	2	AC021374	AC021374 Homo sapi	U23484	Caenorhabdi	
c	114	17.8	79.1	220759	9	AC130456	AC130456 Homo sapi	AX602200	Sequence	
c	115	17.8	79.1	220633	9	HUJ191321	Human Chrom	AC113132	Oryza sat	
c	116	17.8	78.2	342	8	PM083979	U83979 Populus max	AC105366	Rattus no	
c	117	17.8	78.2	453	8	TORRBC	J01308 Nicotiana s	AL766847	Continuation (35 o	
c	118	17.8	78.2	515	8	AF411547	AF411547 Medicago	CRF53867	Danio rer	
c	119	17.8	78.2	660	8	CNS01B1Q	AL114382 Botrytis	CR321980	Zebrafish	
c	120	17.8	78.2	677	8	AF044397	AF044397 Flaveria	AC091526	Typanosoma	
c	121	17.8	78.2	680	8	CIPRBCS2	M38316 Mesembryant	AP003617	Oryza sat	
c	122	17.8	78.2	686	8	ROB428877	AJ428877 Rumex obt	AL105366	Rattus no	
c	123	17.8	78.2	729	8	CAR131050	AJ131050 Cicer ari	AT766847	Continuation (35 o	
c	124	17.8	78.2	731	8	PPU29937	U29937 Flaveria pr	CR391942	Danio rer	
c	125	17.8	78.2	732	8	AF056315	AF056315 Medicago	AF250878	Salmonell	
c	126	17.8	78.2	743	8	AF029939	AF029939 Flaveria pr	CR735112	Danio rer	
c	127	17.8	78.2	746	8	PPU29935	U29935 Flaveria pr	CR510161	Zebrafish	
c	128	17.8	78.2	750	8	AF303939	AF303939 Glycine m	AL513183	Salmonell	
c	129	17.8	78.2	761	8	AF543975	AJ843975 Plantago	AC111275	Rattus no	
c	130	17.8	78.2	765	8	GMD09567	U39567 Glycine max	CR391942	Danio rer	
c	131	17.8	78.2	772	8	AFP029937	AFP029937 Glycine m	AC107121	Rattus no	
c	132	17.8	78.2	772	8	AF139469	X0139469 Vigna rad	AP001514	Bacillus	
c	133	17.8	78.2	796	8	NSRUBL1	X01722 Nicotiana s	AP001510	Bacillus	
c	134	17.8	78.2	806	8	AF1843972	AJ843972 Plantago	C0655069	Sequence	
c	135	17.8	78.2	806	8	AY220079	AY220079 Nicotiana	AX954529	Sequence	
c	136	17.8	78.2	812	8	CINSSU	M16056 Cucumber SS	CO687935	Sequence	
c	137	17.8	78.2	830	8	AF103941	AF103941 Glycine m	CO687931	Sequence	
c	138	17.8	78.2	1027	8	TORRBCS	M13544 Tomato (L.e	AK113158	Clona int	
c	139	17.8	78.2	1054	8	LIPBPCS3B	X05985 Tomato rbcS	BD157673	Primer fo	
c	140	17.8	78.2	1069	8	GMRUBP	U39857 Glycine tom	AX879139	Sequence	
c	141	17.8	78.2	1906	8	AF1521017	AF1521017 Tagetes e	AK022455	Homo sapi	
c	142	17.8	78.2	1261	6	BT012936	BT012936 Lycoopersi	AK115047	Clona int	
c	143	17.8	78.2	1341	8	LIPBPCS3C	X05986 Tomato rbcS	AY234375	Eucherich	
c	144	17.8	78.2	1471	8	AY099484	AY099484 Tagetes e	AF2311986	Escherich	
c	150	17.8	78.2	1520	8	NPRUBCSA	X05984 Tomato rib	AB021078	plasmid C	
c	151	17.8	78.2	1601	8	TOBRBCS3A	X137311 Nicotiana p	AC013607	Pseudomon	
c	146	17.8	78.2	1601	8	TOBRBCS3B	M36685 N.plumbagin	28158729	Caenorhabdi	
c	152	17.8	78.2	1906	8	TOBRBCS3B	X02335 Tobacco gen	AY536429	Escherich	
c	153	17.8	78.2	2362	8	TOBRBCS3B	L10214 Mesembrant	AC027035	Arabidops	
c	154	17.8	78.2	2671	8	CIP2RSS	BD247533 Method fo	AC021045	Arabidops	
c	155	17.8	78.2	2760	8	SOATPD	X61362 Spinach atp	AB021078	Sequence	
c	156	17.8	78.2	4124	8	TOBRBCO	D1112 Tomato rib	CO610212	Sequence	
c	157	17.8	78.2	94169	8	BX842635	BX842635 Neurospor	CG610212	Sequence	
c	158	17.8	78.2	97199	9	AC016480	AC016480 Homo sapi	CG610212	Sequence	
c	159	17.8	78.2	110000	1	BX71965	BX71965 Continuation (17 o	CG610212	Sequence	
c	160	17.8	78.2	110000	1	CPO001016	CPO001016 Continuation (4 o	CG610212	Sequence	
c	161	17.8	78.2	110000	1	CR628337_03	AC147741 Medicago	CG610212	Sequence	
c	162	17.8	78.2	110572	8	AC145221 Medicago	M38318 Mesembryant	CG610212	Sequence	
c	163	17.8	78.2	112032	2	AC145221 Medicago	M38317 Mesembryant	CG610212	Sequence	
c	164	17.8	78.2	135173	9	AC008806 Homo sapi	M31640 Ice plant r	CG610212	Sequence	
c	165	17.8	78.2	144641	2	AC116530 Mus muscu	AF162210 Lactuca s	CG610212	Sequence	

Result No.	Score	Query	Match	Length	DB ID	Description
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1	22	AX55235	AX55235	22	6	AX55235 Sequence 4
2	22	I19656	I19656	6	6	I19656 Sequence 4
3	22	PEARUBPA	PEARUBPA	6	6	J01257 Pea (P.sativum) Sequence
4	22	PEARBCS	PEARBCS	6	6	AX463287 Pea (P.sativum) Sequence
5	22	PEARUBPC	PEARUBPC	8	8	M21375 Pisum sativum Sequence
6	22	PEARUBP2	PEARUBP2	8	8	J01256 Pisum sativum Sequence
7	22	AY231453	AY231453	8	8	M25613 Pisum sativum Sequence
8	22	AY231454	AY231454	8	8	AY231453 Arabidopsis Sequence
9	22	AY231455	AY231455	8	8	AY231454 Arabidopsis Sequence
10	22	X04334	X04334	8	8	X04334 Pea rbcS-3C Sequence
11	22	PSRBGS3C	PSRBGS3C	8	8	X04333 Pea rbcS-3A Sequence
12	22	AR014744	AR014744	6	6	AR014744 Sequence
13	22	AR022680	AR022680	6	6	AR022680 Sequence
14	22	PSRC01	PSRC01	8	8	X08086 Pea gene fo Sequence
15	22	CQB675567	CQB675567	6	6	CQB675567 Sequence
16	22	CQB67566	CQB67566	6	6	CQB67566 Sequence
17	22	AR143709	AR143709	6	6	AR143709 Sequence
18	22	BD008400	BD008400	6	6	BD008400 Glyphosat
19	22	AF055615	AF055615	8	8	AF055615 Capsicum
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	SUMMARIES					
Result No.	Score	Query	Match	Length	DB ID	
20	22	AR143713	AR143713	6	6	AR143713 Sequence
21	22	BD008404	BD008404	6	6	BD008404 Glyphosat
22	22	AR143712	AR143712	6	6	AR143712 Sequence
23	22	AB086434	AB086434	6	6	AB086434 Synthetic
24	22	AR225313	AR225313	6	6	AR225313 Sequence
25	22	AR438378	AR438378	6	6	AR438378 Sequence
26	22	AR491631	AR491631	6	6	AR491631 Sequence
27	22	BD062173	BD062173	6	6	BD062173 Expression
28	22	AB086433	AB086433	6	6	AB086433 Synthetic
29	22	AR225314	AR225314	6	6	AR225314 Sequence
30	22	AR438379	AR438379	6	6	AR438379 Sequence
31	22	AR491632	AR491632	6	6	AR491632 Sequence
32	22	BD062174	BD062174	6	6	BD062174 Expression
33	22	AP309845	AP309845	6	6	AP309845 Plant
34	22	AF294981	AF294981	12	12	AF294981 Binary ve
35	22	AX052539	AX052539	6	6	AX052539 Binary ve
36	22	AF294982	AF294982	12	12	AF294982 Binary ve
37	22	AF330636	AF330636	12	12	AF330636 Plant DNA
38	22	AF294979	AF294979	12	12	AF294979 Binary ve
39	22	U29936	U29936	12	12	U29936 Flaveria pr
40	22	AF294980	AF294980	12	12	AF294980 Flaveria pr
41	21	AY231449	AY231449	8	8	AY231449 Flaveria
42	21	AY231448	AY231448	8	8	AY231448 Flaveria
43	21	AF044401	AF044401	8	8	AF044401 Flaveria
44	20..4	TRRUBISCO	TRRUBISCO	8	8	TRRUBISCO
45	20..4	AF044400	AF044400	8	8	AF044400 Flaveria
46	20..4	AF044398	AF044398	8	8	AF044398 Flaveria
47	20..4	AF044399	AF044399	8	8	AF044399 Flaveria
48	20..4	AY267350	AY267350	8	8	AY267350 Flaveria
49	20..4	FPU29933	FPU29933	8	8	FPU29933 Flaveria pr
50	20..4	AF044400	AF044400	8	8	AF044400 M.sativa Rib
51	20..4	AF044394	AF044394	8	8	AF044394 Flaveria
52	20..4	M39643	M39643	8	8	M39643 Petunia rib
53	20..4	X52293	X52293	8	8	X52293 White clove
54	19..4	AF396697	AF396697	8	8	AF396697 Nicotiana
55	19..4	Y00431	Y00431	8	8	Y00431 Sunflower r
56	19..4	AY163904	AY163904	8	8	AY163904 Chrysanth
57	19..4	AY231452	AY231452	8	8	AY231452 Arabidops
58	18..8	M26642	M26642	8	8	M26642 Petunia rib
59	18..8	AF044396	AF044396	8	8	AF044396 PYRECS
60	18..8	AF044397	AF044397	8	8	AF044397 PYRECS
61	18..8	AF044398	AF044398	8	8	AF044398 SLARBCS
62	18..8	AF044399	AF044399	8	8	AF044399 SLARBCS
63	18..8	AF044400	AF044400	8	8	AF044400 FTRICR
64	18..8	AF044401	AF044401	8	8	AF044401 TOMBBCSD
65	18..8	AY267351	AY267351	8	8	AY267351 FTRICR
66	18..8	X60000	X60000	8	8	X60000 P.vulgaris
67	18..8	AY231456	AY231456	8	8	AY231456 Arabidops
68	18..8	X57042	X57042	8	8	X57042 Tomato (Lycopersicon esculentum)
69	18..8	AF044402	AF044402	8	8	AF044402 P.vulgaris
70	18..8	AY231457	AY231457	8	8	AY231457 Tomato
71	18..8	X57042	X57042	8	8	X57042 Tomato (Lycopersicon esculentum)
72	18..8	AF044403	AF044403	8	8	AF044403 Tomato (Lycopersicon esculentum)
73	18..8	AF044404	AF044404	8	8	AF044404 Tomato (Lycopersicon esculentum)
74	18..8	AF044405	AF044405	8	8	AF044405 Tomato (Lycopersicon esculentum)
75	18..8	AF044406	AF044406	8	8	AF044406 Tomato (Lycopersicon esculentum)
76	18..8	AF044407	AF044407	8	8	AF044407 Tomato (Lycopersicon esculentum)
77	18..8	AF044408	AF044408	8	8	AF044408 Tomato (Lycopersicon esculentum)
78	18..8	AF044409	AF044409	8	8	AF044409 Tomato (Lycopersicon esculentum)
79	18..8	AF044410	AF044410	8	8	AF044410 Tomato (Lycopersicon esculentum)
80	18..8	AF044411	AF044411	8	8	AF044411 Tomato (Lycopersicon esculentum)
81	18..8	AF044412	AF044412	8	8	AF044412 Tomato (Lycopersicon esculentum)
82	18..8	AF044413	AF044413	8	8	AF044413 Tomato (Lycopersicon esculentum)
83	18..8	AF044414	AF044414	8	8	AF044414 Tomato (Lycopersicon esculentum)
84	17..8	AF044415	AF044415	8	8	AF044415 Tomato (Lycopersicon esculentum)
85	17..8	AF044416	AF044416	8	8	AF044416 Tomato (Lycopersicon esculentum)
86	17..8	AF044417	AF044417	8	8	AF044417 Tomato (Lycopersicon esculentum)
87	17..8	AF044418	AF044418	8	8	AF044418 Tomato (Lycopersicon esculentum)
88	17..8	AF044419	AF044419	8	8	AF044419 Tomato (Lycopersicon esculentum)
89	17..8	AF044420	AF044420	8	8	AF044420 Tomato (Lycopersicon esculentum)
90	17..8	AF044421	AF044421	8	8	AF044421 Tomato (Lycopersicon esculentum)
91	17..8	AF044422	AF044422	8	8	AF044422 Tomato (Lycopersicon esculentum)
92	17..8	AF044423	AF044423	8	8	AF044423 Tomato (Lycopersicon esculentum)

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
<hr/>						
1	22	AX55235	AX55235	6	6	AX55235 Sequence
2	22	I19656	I19656	6	6	I19656 Sequence
3	22	PEARUBPA	PEARUBPA	6	6	AX463287 Pea (P.sativum) Sequence
4	22	PEARBCS	PEARBCS	6	6	M21375 Pisum sativum Sequence
5	22	PEARUBPC	PEARUBPC	8	8	J01256 Pisum sativum Sequence
6	22	PEARUBP2	PEARUBP2	8	8	M25613 Pisum sativum Sequence
7	22	AY231453	AY231453	8	8	AY231453 Arabidopsis Sequence
8	22	AY231454	AY231454	8	8	AY231454 Arabidopsis Sequence
9	22	AY231455	AY231455	8	8	AY231455 Arabidopsis Sequence
10	22	PSRBGS3C	PSRBGS3C	8	8	X04334 Pea rbcS-3C Sequence
11	22	AR014744	AR014744	6	6	X04333 Pea rbcS-3A Sequence
12	22	AR014744	AR014744	6	6	AR014744 Sequence
13	22	AR022680	AR022680	6	6	AR022680 Sequence
14	22	PSRC01	PSRC01	8	8	X08086 Pea gene fo Sequence
15	22	CQB675567	CQB675567	6	6	CQB675567 Sequence
16	22	CQB67566	CQB67566	6	6	CQB67566 Sequence
17	22	AR143709	AR143709	6	6	AR143709 Sequence
18	22	BD008400	BD008400	6	6	BD008400 Glyphosat
19	22	AF055615	AF055615	8	8	AF055615 Capsicum

81	55	8.6	267	11	US-09-987-899-370	Sequence 370, App	51.6	154	US-10-311-455-1122	
82	55	8.6	267	11	US-09-987-899-637	Sequence 637, App	51.6	155	US-10-311-455-1163	
83	55	8.6	316	11	US-09-987-899-839	Sequence 839, App	51.6	155	US-10-311-455-1568	
c	84	55	8.6	356	11	US-09-987-899-815	Sequence 815, App	51.6	155	US-10-311-455-1568
c	85	55	8.6	420	18	US-10-424-519-2939	Sequence 2939, A	51.6	157	US-10-221-714A-222
c	86	55	8.6	812	20	US-10-425-115-10640	Sequence 10640, A	51.6	158	US-10-221-714A-227
c	87	55	8.6	912	18	US-10-424-599-41058	Sequence 41058, A	51.6	159	US-10-723-860-6169
c	88	55	8.6	1013	18	US-10-424-599-41033	Sequence 41033, A	51.6	160	US-10-473-126-122
c	89	55	8.6	1237	20	US-10-319-930-38785	Sequence 3875, App	51.6	161	US-10-473-126-228
c	90	55	8.6	1323	18	US-10-424-529-41037	Sequence 41037, A	51.6	162	US-10-486-319A-47
c	91	55	8.6	6283	15	US-10-425-114-8224	Sequence 61, App	51.6	163	US-10-486-319A-69
c	92	54.8	8.6	400	18	US-10-424-519-100577	Sequence 100577,	51.6	164	US-10-221-714A-443
c	93	54.8	8.6	12007	15	US-10-311-445-690	Sequence 690, App	51.6	165	US-10-311-455-1232
c	94	54.6	8.6	6555	15	US-10-311-445-933	Sequence 933, App	51.6	166	US-10-240-485-162
c	95	54.6	8.6	14198	15	US-10-311-455-1005	Sequence 1005, App	51.6	167	US-10-311-455-15875
c	96	54.6	8.6	113515	15	US-10-425-114-7247	Sequence 2147, App	51.6	168	US-10-240-485-173
c	97	54.6	8.6	724	18	US-10-425-114-8224	Sequence 8224, App	51.6	169	US-10-221-613-303
c	98	54.2	8.5	725	18	US-10-425-114-11632	Sequence 11632, A	51.2	170	US-10-221-714A-409
c	99	54.2	8.5	733	18	US-10-425-114-6310	Sequence 6310, App	51.2	171	US-10-311-455-1247
c	100	54.2	8.5	738	18	US-10-425-114-7825	Sequence 7825, App	51.2	172	US-10-311-455-1991
c	101	54.2	8.5	746	18	US-10-425-114-7283	Sequence 7283, App	51.2	173	US-10-311-455-1492
c	102	54.2	8.5	757	18	US-10-425-114-707	Sequence 707, App	51.2	174	US-10-311-455-2136
c	103	54.2	8.5	807	18	US-10-424-599-41048	Sequence 41048, A	51.2	175	US-10-311-455-1069
c	104	54.2	8.5	7455	15	US-10-311-445-1731	Sequence 1731, App	51.2	176	US-10-311-455-298
c	105	54.2	8.5	9707	15	US-10-311-445-1394	Sequence 1394, App	51.2	177	US-10-311-455-32
c	106	54	8.5	767	18	US-10-424-599-20401	Sequence 70401, A	51.2	178	US-10-311-455-631
c	107	54	8.5	15861	15	US-10-311-455-497	Sequence 497, App	51.2	179	US-10-311-455-631
c	108	53.8	8.4	1130	20	US-10-425-114-707	Sequence 1130, A	51.2	180	US-10-311-455-240
c	109	53.8	8.4	8222	21	US-10-486-319A-65	Sequence 65, App	51.2	181	US-10-311-455-548
c	110	53.6	8.4	8222	21	US-10-486-319A-43	Sequence 43, App	51.2	182	US-10-311-455-42
c	111	53.4	8.4	250	11	US-09-987-899-426	Sequence 426, App	51.2	183	US-10-311-455-830
c	112	53.4	8.4	269	11	US-09-987-899-381	Sequence 381, App	51.2	184	US-10-311-455-840
c	113	53.4	8.4	6121	15	US-10-311-455-197	Sequence 1947, App	51.2	185	US-10-311-455-240
c	114	53.4	8.4	7231	16	US-10-452-24-24	Sequence 132399, A	51.2	186	US-10-311-455-659
c	115	53.4	8.4	6115	15	US-10-311-455-1774	Sequence 1774, App	51.2	187	US-10-311-455-1774
c	116	53.2	8.4	6294	15	US-10-311-455-107	Sequence 1027, App	51.2	188	US-10-311-455-316
c	117	52.8	8.3	4753	19	US-10-433-793-147	Sequence 147, App	50.6	189	US-10-240-485-30
c	118	52.8	8.3	7346	19	US-10-311-455-318	Sequence 318, App	50.6	190	US-10-311-455-770
c	119	52.8	8.3	7334	15	US-10-311-455-207	Sequence 2097, App	50.6	191	US-09-910-910-611
c	120	52.8	8.3	73134	18	US-10-240-589-127	Sequence 127, App	50.6	192	US-10-333-184-170
c	121	52.4	8.2	258	11	US-09-987-899-379	Sequence 379, App	50.6	193	US-09-770-384-172
c	122	52.4	8.2	921	20	US-10-325-38710	Sequence 38710, A	50.6	194	US-10-311-455-1931
c	123	52.4	8.2	937	15	US-10-278-536-97	Sequence 1676, App	50.6	195	US-09-770-149-677
c	124	52.4	8.2	937	18	US-10-412-689B-253	Sequence 90, App	50.6	196	US-09-770-149-574
c	125	52.4	8.2	12177	15	US-10-311-455-624	Sequence 624, App	50.6	197	US-09-770-145-880
c	126	52.4	8.2	17137	15	US-10-311-455-163	Sequence 163, App	50.6	198	US-09-770-145-862
c	127	52.4	8.2	17527	15	US-10-311-455-1406	Sequence 1406, App	50.6	199	US-10-333-184-202
c	128	52.4	8.2	17527	18	US-10-340-454-28	Sequence 28, App	50.6	200	US-10-311-455-1712
c	129	52.4	8.2	18624	15	US-10-311-455-1676	Sequence 1676, App	50.6	201	US-09-770-445-931
c	130	52.4	8.2	34688	19	US-10-433-793-90	Sequence 90, App	50.6	202	US-09-770-445-880
c	131	52.4	8.2	37973	15	US-10-311-455-2169	Sequence 216, App	50.6	203	US-09-770-445-862
c	132	52.2	8.2	87	17	US-10-305-552-8	Sequence 8, App	50.6	204	US-10-333-184-170
c	133	52.2	8.2	18011	15	US-10-311-455-163	Sequence 18011, App	50.6	205	US-10-311-455-1543
c	134	52.2	8.2	5649	15	US-10-311-455-822	Sequence 1979, Ap	50.6	206	US-10-333-184-173
c	135	52.2	8.2	37515	19	US-10-557-166-90	Sequence 90, App	50.6	207	US-10-311-455-1437
c	141	52	8.2	138	17	US-10-205-562-7	Sequence 7, App	50.6	208	US-10-239-676-52
c	142	52	8.2	138	17	US-10-305-552-10	Sequence 10, App	50.6	209	US-10-240-453-54
c	143	52	8.2	15743	15	US-10-240-453-270	Sequence 270, App	50.6	210	US-10-311-455-1543
c	144	52	8.2	13449	15	US-10-311-455-1357	Sequence 1357, Ap	50.6	211	US-10-433-793-179
c	145	52	8.2	18434	15	US-10-311-455-1979	Sequence 18434, App	50.6	212	US-09-987-899-749
c	146	52	8.2	21537	15	US-10-311-455-1971	Sequence 1971, Ap	50.6	213	US-10-311-455-1560
c	147	51.8	8.1	392	11	US-09-899-793-798	Sequence 793, App	50.6	214	US-10-323-793-190
c	148	51.8	8.1	8056	20	US-10-433-126-388	Sequence 386, App	50.6	215	US-10-311-455-1309
c	149	51.8	8.1	8622	15	US-10-311-455-116	Sequence 2116, App	50.6	216	US-10-424-519-11051
c	150	51.8	8.1	11394	15	US-10-433-433-96	Sequence 96, App	50.6	217	US-10-311-455-1199
c	151	51.8	8.1	15732	14	US-10-339-676-95	Sequence 95, App	50.6	218	US-10-311-455-2148
c	152	51.8	8.1	15732	15	US-10-240-453-107	Sequence 107, App	50.6	219	US-10-325-323A-13
c	153	51.6	8.1	390	20	US-10-425-115-124575	Sequence 124575, App	50.6	220	US-10-311-455-415

101	39.8	6.2	266293	4	US-09-949-016-11934	Sequence 11934, A	c 174	38.2	6.0	601	4	US-09-949-016-108657
102	39.6	6.2	601	4	US-09-949-016-169340	Sequence 49648, A	c 175	38.2	6.0	601	4	US-09-949-016-112612
103	39.6	6.2	601	4	US-09-949-016-169340	Sequence 169040, A	c 176	38.2	6.0	601	4	US-09-949-016-161109
c 104	39.6	6.2	601	4	US-09-949-016-195400	Sequence 195400,	c 177	38.2	6.0	30820	4	US-09-949-016-17145
c 105	39.6	6.2	711	4	US-09-621-17854	Sequence 17854, A	c 178	38.2	6.0	55886	4	US-09-949-016-15129
c 106	39.6	6.2	830	3	US-08-688-609-1	Sequence 1, Appli	c 179	38.2	6.0	72504	4	US-09-949-016-14855
c 107	39.6	6.2	830	3	US-09-002-832-1	Sequence 1, Appli	c 180	38.2	6.0	150032	4	US-09-949-016-14121
c 108	39.6	6.2	126200	4	US-09-949-016-1824	Sequence 11824, A	c 181	38.2	6.0	194790	4	US-09-949-016-15939
c 109	39.6	6.2	126200	4	US-09-949-016-13193	Sequence 13193, A	c 182	38	6.0	568	4	US-09-210-767-13504
c 110	39.4	6.2	396	4	US-09-640-171-53	Sequence 53, Appli	c 183	38	6.0	601	4	US-09-949-016-17194
c 111	39.4	6.2	396	4	US-09-713-550-53	Sequence 53, Appli	c 184	38	6.0	1055	4	US-09-949-016-17320
c 112	39.4	6.2	396	4	US-09-B85-294-53	Sequence 53, Appli	c 185	38	6.0	44353	4	US-09-949-016-12386
c 113	39.4	6.2	129327	4	US-09-970-966-53	Sequence 53, Appli	c 186	38	6.0	65788	4	US-09-949-001-37
c 114	39.4	6.2	129327	4	US-09-270-967-12188	Sequence 12188, A	c 187	38	6.0	94156	4	US-09-949-016-12398
c 115	39.4	6.2	600	3	US-09-419-923-1	Sequence 1, Appli	c 188	38	6.0	94156	4	US-09-949-016-12398
c 116	39.4	6.2	6200	4	US-09-711-203A-1	Sequence 1, Appli	c 189	38	6.0	94873	4	US-09-949-016-14277
c 117	39.4	6.2	6200	4	US-09-711-203A-1	Sequence 1, Appli	c 190	38	6.0	102406	4	US-09-949-016-14673
c 118	39.4	6.2	96987	4	US-09-949-016-14429	Sequence 14429, A	c 191	38	6.0	263693	4	US-09-949-016-12386
c 119	39.4	6.2	1224	4	US-09-12257	Sequence 12257, A	c 192	38	6.0	44353	4	US-09-949-016-12386
c 120	39.4	6.2	129327	4	US-09-949-016-15368	Sequence 15368, A	c 193	38	6.0	263694	4	US-09-949-016-16915
c 121	39.4	6.2	187169	4	US-09-949-016-12776	Sequence 12776, A	c 194	38	6.0	263694	4	US-09-949-016-16915
c 122	39.4	6.2	19169	4	US-09-15940	Sequence 15940, A	c 195	38	6.0	640681	4	US-09-790-988-1
c 123	39.4	6.2	601	4	US-09-949-016-132807	Sequence 132807,	c 196	38	6.0	1664976	4	US-08-916-421B-1
c 124	39.2	6.2	601	4	US-09-949-016-179195	Sequence 179195, A	c 197	38	6.0	1664976	4	US-09-62-570-1
c 125	39.2	6.2	1224	4	US-09-352-1479	Sequence 1479, Ap	c 198	37.8	5.9	854	3	US-08-988-416-534
c 126	39.2	6.2	1696	4	US-09-949-016-15368	Sequence 1, Appli	c 199	37.8	5.9	1368	4	US-09-270-767-5066
c 127	39.2	6.2	2334	4	US-09-949-016-12776	Sequence 5922, Ap	c 200	37.8	5.9	1368	4	US-09-270-767-2048
c 128	39.2	6.2	25032	4	US-09-949-016-15940	Sequence 14724, A	c 201	37.8	5.9	1523	4	US-08-956-171E-550
c 129	39.2	6.2	451924	4	US-09-949-016-128986	Sequence 128986, A	c 202	37.8	5.9	1523	4	US-08-981-906A-550
c 130	39.2	6.2	451925	4	US-09-949-016-179305	Sequence 17305, A	c 203	37.8	5.9	2522	3	US-08-71-918-93
c 131	39.2	6.1	2216	1	US-08-046-583-12	Sequence 12, Appli	c 204	37.8	5.9	2522	3	US-09-265-315-93
c 132	39.2	6.1	2216	1	US-08-384-556A-3	Sequence 3, Appli	c 205	37.8	5.9	2522	3	US-09-265-315-93
c 133	39.2	6.1	2216	1	US-08-331-355A-24	Sequence 24, Appli	c 206	37.8	5.9	2522	3	US-09-265-315-93
c 134	39.2	6.1	2216	5	PCT-US94-12364-24	Sequence 24, Appli	c 207	37.8	5.9	2522	4	US-09-528-709-93
c 135	39.2	6.1	2216	5	PCT-US95-07753-3	Sequence 3, Appli	c 208	37.8	5.9	2522	4	US-09-527-745-93
c 136	39.2	6.1	2298	3	US-09-15-077-7	Sequence 7, Appli	c 209	37.8	5.9	25633	4	US-09-949-016-12084
c 137	39.2	6.1	2327	3	US-09-157-077-1	Sequence 1, Appli	c 210	37.8	5.9	25633	4	US-09-949-016-13721
c 138	39.2	6.1	10640	4	US-09-417-48SD-5	Sequence 5, Appli	c 211	37.8	5.9	50381	4	US-09-949-016-17122
c 139	39.2	6.1	19438	4	US-09-949-016-126599	Sequence 12699, A	c 212	37.8	5.9	11937	4	US-09-949-016-12622
c 140	39.2	6.1	29717	4	US-09-949-016-14724	Sequence 16284, A	c 213	37.8	5.9	11937	4	US-09-949-016-17175
c 141	39.2	6.1	60316	4	US-09-949-016-12423	Sequence 12423, A	c 214	37.8	5.9	192306	4	US-09-949-016-15830
c 142	39.2	6.1	451924	4	US-09-949-016-18836	Sequence 12896, A	c 215	37.8	5.9	285478	4	US-09-949-016-13362
c 143	39.2	6.1	451925	4	US-09-949-016-18836	Sequence 17305, A	c 216	37.6	5.9	601	4	US-09-949-016-62311
c 144	38.8	6.1	601	4	US-09-949-016-155239	Sequence 155939, A	c 217	37.6	5.9	601	4	US-09-949-016-73224
c 145	38.8	6.1	2024	4	US-09-949-039-168	Sequence 168, Ap	c 218	37.6	5.9	601	4	US-09-949-016-205247
c 146	38.8	6.1	237241	4	US-09-949-016-16101	Sequence 16101, A	c 219	37.6	5.9	658	3	US-08-98-416-95-95
c 147	38.6	6.1	601	4	US-09-949-016-54020	Sequence 54020, A	c 220	37.6	5.9	756	4	US-09-270-767-2442
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c 149	38.6	6.1	601	4	US-09-949-016-54024	Sequence 54024, A	c 222	37.6	5.9	2621	2	US-08-553-619B-8
c 150	38.6	6.1	601	4	US-09-949-016-89238	Sequence 89238, A	c 223	37.6	5.9	6152	3	US-08-973-462-1
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c 152	38.6	6.1	601	4	US-09-949-016-108555	Sequence 108655, Ap	c 225	37.6	5.9	44248	4	US-09-949-016-1829
c 153	38.6	6.1	601	4	US-09-949-016-108556	Sequence 108656, Ap	c 226	37.6	5.9	44248	4	US-09-949-016-14855
c 154	38.6	6.1	1766	4	US-09-270-767-11735	Sequence 11735, A	c 227	37.6	5.9	44249	4	US-09-949-016-14491
c 155	38.6	6.1	5046	4	US-09-725-735A-13	Sequence 13, Appli	c 228	37.6	5.9	79824	4	US-09-949-016-13919
c 156	38.6	6.1	5410	4	US-09-244-805-9	Sequence 9, Appli	c 229	37.6	5.9	93370	4	US-09-949-016-12816
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c 160	38.6	6.1	126029	4	US-09-949-016-13731	Sequence 14731, A	c 233	37.6	5.9	156894	4	US-09-949-016-12765
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c 164	38.6	6.1	601	4	US-09-949-016-77442	Sequence 77442, A	c 237	37.6	5.9	15293	4	US-09-949-016-16959
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c 167	38.6	6.0	154626	4	US-09-945-016-14000	Sequence 14000, A	c 240	37.6	5.9	193555	4	US-09-949-016-15555
c 168	38.6	6.0	174639	4	US-09-949-016-14273	Sequence 14273, A	c 241	37.6	5.9	203211	4	US-09-949-016-13877
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c 170	38.6	6.0	601	4	US-09-949-016-13712	Sequence 13712, A	c 243	37.4	5.9	601	4	US-09-949-016-24801
c 171	38.6	6.0	601	4	US-09-945-016-54022	Sequence 54022, A	c 244	37.4	5.9	601	4	US-09-949-016-67082
c 172	38.6	6.0	601	4	US-09-949-016-163447	Sequence 54023, A	c 245	37.4	5.9	601	4	US-09-949-016-163447
c 173	38.6	6.0	601	4	US-09-949-016-108656	Sequence 108656, A	c 246	37.4	5.9	1055	4	US-09-806-708B-23

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3	635.4	99.7	10846	4	US-09-923-109-5	Sequence 5, Appli	Sequence 12776, A	
4	635.4	99.7	10900	3	US-03-098-219B-6	Sequence 6, Appli	Sequence 15940, A	
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9	63.3	99.4	8418	3	US-09-182-117-5	Sequence 4, Appli	Sequence 19, Appli	
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13	63.3	99.4	12614	4	US-09-577-424-1	Sequence 11, Appli	Sequence 1640, A	
14	296.8	46.6	11522	4	US-10-052-092-19	Sequence 19, Appli	Sequence 1640, A	
15	187.4	29.4	197	1	US-08-326-297-4	Sequence 1280, Ap	Sequence 1640, A	
16	187.4	29.4	197	3	US-08-617-454-4	Sequence 22, Appli	Sequence 1640, A	
17	187.4	29.4	197	5	PCT-US94-01144-4	Sequence 1347, Ap	Sequence 1640, A	
18	71.4	11.2	2124	1	US-08-803-973-11	Sequence 11, Appli	Sequence 1640, A	
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c	21	56.8	8.9	1039	4	US-09-902-540-1280	Sequence 1280, Ap	Sequence 1640, A
c	22	53	8.3	1141	4	US-03-806-708B-22	Sequence 11, Appli	Sequence 1640, A
c	23	50.8	8.0	612	4	US-09-902-540-1357	Sequence 1347, Ap	Sequence 1640, A
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c	27	47.2	7.4	832	4	US-09-621-976-2813	Sequence 2813, Ap	Sequence 16110, A
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c	32	46.2	7.3	133719	4	US-03-949-016-15092	Sequence 1640, A	Sequence 1640, A
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c	39	43.6	6.8	2748	3	US-03-948-265-4	Sequence 4, Appli	Sequence 4, Appli
c	40	43.6	6.8	1864	3	US-03-948-265-4	Sequence 4, Appli	Sequence 4, Appli
c	41	43.2	6.7	18773	4	US-03-18773	Sequence 4, Appli	Sequence 4, Appli
c	42	42.8	6.7	615	4	US-03-601-198-919	Sequence 99, Appli	Sequence 99, Appli
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c	45	42.6	6.7	124480	4	US-03-949-016-15921	Sequence 15921, A	Sequence 15921, A
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c	50	42.4	6.7	134987	4	US-03-949-016-15507	Sequence 15507, A	Sequence 15507, A
c	51	42.4	6.7	134987	4	US-03-949-016-15508	Sequence 15509, A	Sequence 15509, A
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c	53	42	6.6	700	3	US-03-236-097-11	Sequence 11, Appli	Sequence 11, Appli
c	54	42	6.6	5832	1	US-03-867-106-2	Sequence 2, Appli	Sequence 2, Appli
c	55	41.8	6.6	1141	4	US-09-806-708B-22	Sequence 22, Appli	Sequence 22, Appli
c	56	41.6	6.5	1450	4	US-03-248-796A-6361	Sequence 6361, A	Sequence 6361, A
c	57	41.6	6.5	23501	4	US-03-949-016-17517	Sequence 17517, A	Sequence 17517, A
c	58	41.6	6.5	165841	4	US-03-949-016-16192	Sequence 16192, A	Sequence 16192, A
c	59	41.4	6.5	10640	4	US-03-417-485D-5	Sequence 5, Appli	Sequence 5, Appli
c	60	41.4	6.5	76553	4	US-03-949-016-13432	Sequence 13432, A	Sequence 13432, A
c	61	41.4	6.5	86116	4	US-03-949-016-14766	Sequence 14766, A	Sequence 14766, A
c	62	41.4	6.5	636591	4	US-03-949-016-11808	Sequence 11808, A	Sequence 11808, A
c	63	41.4	6.5	636591	4	US-03-949-016-13388	Sequence 13388, A	Sequence 13388, A
c	64	41.4	6.5	1497	4	US-03-220-132-94	Sequence 94, Appli	Sequence 94, Appli
c	65	41.2	6.5	5181	1	US-03-257-073-10	Sequence 10, Appli	Sequence 10, Appli
c	66	41.2	6.5	6243	2	US-03-056-075-11	Sequence 1, Appli	Sequence 1, Appli
c	67	41.2	6.5	601	4	US-03-949-016-165635	Sequence 165635,	Sequence 165635,
c	68	41	6.4	1151	4	US-03-270-767-12633	Sequence 12633, A	Sequence 12633, A
c	70	41	6.4	1151	4	US-03-949-016-18660	Sequence 11860, A	Sequence 11860, A
c	71	41	6.4	36643	4	US-03-949-016-16403	Sequence 1603, A	Sequence 1603, A
c	72	41	6.4	36821	4	US-03-949-016-16404	Sequence 1604, A	Sequence 1604, A
c	73	41	6.4	558	4	US-03-949-016-16404	Sequence 9054, Ap	Sequence 9054, Ap
c	74	40.8	6.4	148609	4	US-03-949-016-12860	Sequence 12860, A	Sequence 12860, A
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c	78	40.6	6.4	196714	4	US-03-949-016-15474	Sequence 15474, A	Sequence 15474, A
c	79	40.6	6.4	670699	4	US-03-949-016-12505	Sequence 12505, A	Sequence 12505, A
c	80	40.6	6.4	670699	4	US-03-949-016-14207	Sequence 14207, A	Sequence 14207, A
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c	82	40.4	6.3	12313	4	US-03-949-016-13248	Sequence 1348, A	Sequence 1348, A
c	83	40.4	6.3	57605	4	US-03-949-016-13259	Sequence 17319, A	Sequence 17319, A
c	84	40.4	6.3	111509	4	US-03-949-016-13739	Sequence 75, Appli	Sequence 75, Appli
c	85	40.2	6.3	2411	3	US-03-188-930-75	Sequence 3, Appli	Sequence 3, Appli
c	86	40.2	6.3	6865	4	US-03-900-038A-3	Sequence 17319, A	Sequence 17319, A
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c	88	40.2	6.3	14113	3	US-03-992-801-1	Sequence 1, Appli	Sequence 1, Appli
c	89	40.2	6.3	14113	3	US-03-922-535-1	Sequence 1, Appli	Sequence 1, Appli
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c	92	40	6.3	6865	4	US-03-900-038A-3	Sequence 1, Appli	Sequence 1, Appli
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c	94	40	6.3	14113	3	US-03-992-801-1	Sequence 1, Appli	Sequence 1, Appli
c	95	40	6.3	14113	3	US-03-922-535-1	Sequence 1, Appli	Sequence 1, Appli
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164	84.4	13.2	795	2	BF631517	NF011A11D	BF005695	EST435038
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166	84.4	13.2	795	2	BF006090	EST434660	BF005695	EST435038
167	84.4	13.2	795	2	BF6268785	NF017H07P	BF005695	EST435038
168	84.4	13.2	795	2	BF632046	NF025E02D	BF005695	EST435038
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169	84.4	13.2	795	2	BE249727	NF021B03L	BF005695	EST435038
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179	79.5	12.4	180	2	BF519770	NF014E01I	BF005695	EST435038
180	79.5	12.4	181	2	BF519770	NF014E01I	BF005695	EST435038
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182	79.5	12.4	183	2	BF519770	NF014E01I	BF005695	EST435038
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209	79.5	12.4	210	2	BF519770	NF		

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 5965.04 Seconds

(without alignments)

4064.839 Million cell updates/sec

Title: US-09-912-968A-2

Perfect score: 637

Sequence: 1 attacgcttcgttgtatccatggattgatcaac 637

Scoring table: IDENTRY_NUC Gapop 10_0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters:

68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : EST:*

1: gb_est1:*

2: gb_est2:*

3: gb_htc:*

4: gb_est3:*

5: gb_est4:*

6: gb_est5:*

7: gb_est6:*

8: gb_gbs1:*

9: gb_gbs2:*

Prev. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match Length	DB ID	Description
1	170.8	26.8	284	6 CDB860971 TNE_003K1	CDB860971 TNE_003K1
2	169.2	26.6	437	6 CD8861014 TNE_003M2	CD8861014 TNE_003M2
3	163.8	25.7	255	6 CD8860695 TE_005K04	CD8860695 TE_005K04
4	121.4	19.1	177	6 CDB61027 TNE_003C2	CDB61027 TNE_003C2
5	121	19.0	712	6 CF068126 EST68847	CF068126 EST68847
6	118	18.5	335	6 CD861030 TNE_003N1	CD861030 TNE_003N1
7	116.2	18.2	363	6 CF068284 NF054A01P	CF068284 NF054A01P
8	115.8	18.2	727	6 CF068644 EST69365	CF068644 EST69365
9	115	18.1	191	6 CDB861044 TNE_003O1	CDB861044 TNE_003O1
10	114	17.9	792	5 BQ150308 NF018F03L	BQ150308 NF018F03L
11	114	17.9	809	5 BQ150873 NF064G08L	BQ150873 NF064G08L
12	113.8	17.9	476	4 BG451570 NF110B09D	BG451570 NF110B09D
13	113.4	17.8	155	6 CDB60783 TNE_003AO	CDB60783 TNE_003AO
14	113.4	17.8	176	6 CD8860921 TNE_003H2	CD8860921 TNE_003H2
15	113.4	17.8	176	6 CDB860933 TNE_003I1	CDB860933 TNE_003I1
16	113.2	17.8	513	2 BF637260 NF073D06L	BF637260 NF073D06L
17	112.6	17.7	499	6 CD860270 PW_010C05	CD860270 PW_010C05
18	112.2	17.6	710	2 BF521219 EST458767	BF521219 EST458767
19	112.2	17.6	710	2 AW77629 EST35394	AW77629 EST35394
20	112.2	17.6	710	2 BF05915 EST34413	BF05915 EST34413
21	112	17.6	810	5 BQ145176 NF011C1G	BQ145176 NF011C1G
22	111	17.4	480	5 BQ1457518 NF029F03P	BQ1457518 NF029F03P
23	110.8	17.4	795	5 BQ145040 NF012B07D	BQ145040 NF012B07D
24	109.4	17.2	700	2 BF521408 EST458884	BF521408 EST458884

25	10.9	17.1	161	6 CD860752 TE_005O24	CD860752 TE_005O24
26	108.2	17.0	383	5 BQ153331 NF015B061	BQ153331 NF015B061
27	107.6	16.9	576	6 CD859137 CNI_003A1	CD859137 CNI_003A1
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				BF636289 NF109SD3	BF636289 NF109SD3
				CD860967 TNE_003K1	CD860967 TNE_003K1
				BG452323 NF081G04L	BG452323 NF081G04L
				CD860700 TB_005K10	CD860700 TB_005K10
				CD858606 CE_007K19	CD858606 CE_007K19
				CD858676 CE_007J07	CD858676 CE_007J07
				CD860979 TNE_003L02	CD860979 TNE_003L02
				CD860811 TNE_003B01	CD860811 TNE_003B01
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				CD860614 TE_005C07	CD860614 TE_005C07
				CD860651 TE_005G02	CD860651 TE_005G02
				CD859291 CNI_003Q02	CD859291 CNI_003Q02
				CD859157 CNI_003D01	CD859157 CNI_003D01
				BF519036 EST456496	BF519036 EST456496
				CD858723 CE_007N16	CD858723 CE_007N16
				CD860818 TNE_003C00	CD860818 TNE_003C00
				CD859159 CNI_003D01	CD859159 CNI_003D01
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				CD859157 EST458846	CD859157 EST458846
				BF519337 EST456799	BF519337 EST456799
				BF044A05D NF044A05D	BF044A05D NF044A05D
				CA19228 EST336946	CA19228 EST336946
				BI269841 NF009H101	BI269841 NF009H101
				BF635253 NF033F01D	BF635253 NF033F01D
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				BF05263 BI267739 NF011C11	BF05263 BI267739 NF011C11
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				BF264442 EST16E07P	BF264442 EST16E07P
				CD859159 NF084D11P	CD859159 NF084D11P
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94	55.4	8.7	834	11	ADM44819	Insect re	167	52	8.2	14551	7	ADS99846	
	95	55.4	8.7	6131	6	ABU32891	Human imm	168	52	8.2	21537	6	ABL33998
	96	55.2	8.7	267	12	ADP57264	Soybean c	169	51.8	8.1	392	12	ADP57279
	97	55.2	8.7	5182	6	ABL32957	Human imm	170	51.8	8.1	8056	8	ABZ10246
	98	55.2	8.7	6220	6	ABU33300	Human imm	171	51.8	8.1	8622	6	ABL34143
	99	55.2	8.7	19659	6	ABL32766	Human imm	172	51.8	8.1	8900	13	ADS86886
	100	55.5	8.6	162	12	ADP57444	Soybean c	173	51.8	8.1	9742	6	ABT70880
	101	55.5	8.6	230	12	ADP57480	Soybean c	174	51.8	8.1	11394	6	ABK28222
	102	55.5	8.6	240	12	ADP57539	Soybean c	175	51.8	8.1	12639	6	ABN80107
	103	55.5	8.6	241	12	ADP57473	Soybean c	176	51.8	8.1	15732	4	AAS45388
	104	55.5	8.6	247	12	ADP57380	Soybean c	177	51.8	8.1	15732	4	ADP57388
	105	55.5	8.6	247	12	ADP57359	Soybean c	178	51.8	8.1	15732	4	ADP57333
	106	55.5	8.6	249	12	ADP57524	Soybean c	179	51.6	8.1	5452	6	ABL33149
	107	55.5	8.6	251	12	ADP57349	Soybean c	180	51.6	8.1	6103	6	ABL33690
	108	55.5	8.6	253	12	ADP57347	Soybean c	181	51.6	8.1	8404	4	AAS46500
	109	55.5	8.6	261	12	ADP57587	Soybean c	182	51.6	8.1	14919	4	AAS46505
	110	55.5	8.6	266	12	ADP57445	Soybean c	183	51.4	8.1	1619	12	ADQ24449
	111	55.5	8.6	267	12	ADP57301	Soybean c	184	51.4	8.1	3664	8	ACF62820
	112	55.5	8.6	267	12	ADP57568	Soybean c	185	51.4	8.1	3664	8	ACF62798
	113	55.5	8.6	316	12	ADP57770	Soybean c	186	51.4	8.1	3664	8	ABZ10128
	114	55.5	8.6	356	12	ADP57746	Soybean c	187	51.4	8.1	3664	8	ABZ09882
	115	55.5	8.6	6283	6	ABL32088	Human met	188	51.4	8.1	6677	4	AAS46718
	116	54.8	8.6	12007	6	ABL32717	Human imm	189	51.4	8.1	6664	6	AAS61369
	117	54.6	8.6	6255	6	ABL32960	Human imm	190	51.4	8.1	6664	10	ADB53322
	118	54.6	8.6	14798	6	ADP57568	Human imm	191	51.4	8.1	6664	10	ADB51194
	119	54.6	8.6	113515	6	ABL34174	Human imm	192	51.4	8.1	18585	6	AAS61400
	120	54.4	8.5	10467	6	ABL49302	Human pol	193	51.4	8.1	18585	7	ADS99870
	121	54.2	8.5	6283	6	ABL32088	Human imm	c 194	51.2	8.0	426	13	ACN61094
	122	54.2	8.5	12007	6	ABL32717	Human imm	195	51.2	8.0	5126	6	ABL70493
	123	54.2	8.5	6255	6	ABL32960	Human imm	196	51.2	8.0	5544	6	ABL34620
	124	53.8	8.4	14798	6	ADP573032	Human imm	197	51.2	8.0	5544	6	ABL70477
	125	53.8	8.4	8222	8	ACF62816	Colon can	198	51.2	8.0	5544	6	AAS61440
	126	53.6	8.4	8222	8	ACF62770	Pretreat	199	51.2	8.0	5544	7	Ads99881
	127	53.6	8.4	8222	8	ACF62794	Colon can	200	51.2	8.0	7442	4	AAS46686
	128	53.4	8.4	250	12	ADP57157	Pretreat	201	51.2	8.0	13048	6	ABL33274
	129	53.4	8.4	269	12	ADP57312	Soybean c	202	51	8.0	253	12	ADP57322
	130	53.4	8.4	6121	6	ABL33974	Soybean c	203	51	8.0	5520	6	ABL33519
	131	53.4	8.4	7231	6	ADP54324	Chemical	204	51	8.0	5768	6	ABL34163
	132	53.2	8.4	6115	6	ABL33801	Human imm	205	51	8.0	5822	6	ABL33096
	133	53.2	8.4	6294	6	ABL33758	Human imm	206	51	8.0	6071	6	AAS61094
	134	52.8	8.3	4753	6	ADP57117	Human ang	207	51	8.0	6071	6	ABL33225
	135	52.8	8.3	7346	6	ABL32345	Human ang	208	51	8.0	8451	6	AAS61076
	136	52.8	8.3	73334	6	ABL34124	Human imm	209	51	8.0	8451	6	ABL33981
	137	52.8	8.3	73334	6	ABL92318	Chemical	210	51	8.0	8451	6	Aas63318
	138	52.6	8.3	258	12	ADP57310	Soybean c	211	51	8.0	17959	6	ABL32575
	139	52.4	8.2	937	10	ADD06469	Arabidops	212	51	8.0	17959	6	AAS61686
	140	52.4	8.2	937	10	ADD55739	Thaleceres	213	51	8.0	18011	6	ABL32035
	141	52.4	8.2	937	12	AD001840	Thaleceres	214	50.8	8.0	6219	6	ABL32867
	142	52.4	8.2	12177	6	ADL32651	Pretreat	215	50.8	8.0	6219	6	ADK31981
	143	52.4	8.2	17137	6	ADL32190	Human imm	216	50.8	8.0	6419	6	Aas63325
	144	52.4	8.2	17527	6	ADL33433	Human imm	217	50.8	8.0	8962	6	ABL32686
	145	52.4	8.2	17227	6	AAS63333	Chemical	218	50.8	8.0	15674	6	ABL32363
	146	52.4	8.2	18624	6	ADL32615	Human imm	219	50.8	8.0	15674	6	AAC74342
	147	52.4	8.2	34688	6	ADB67060	Human ang	220	50.8	8.0	15674	6	ABL32267
	148	52.4	8.2	37973	6	ADe84184	Human lym	221	50.8	8.0	15674	6	ADN73596
	149	52.4	8.2	5649	4	AAS46384	Tumour su	c 222	50.6	7.9	453	6	AAC74217
	150	52.2	8.2	5649	6	ABK40008	Human che	c 223	50.6	7.9	471	6	Abx56841
	151	52.2	8.2	5649	6	ADL32849	Human imm	c 224	50.6	7.9	593	3	ADe81601
	152	52.2	8.2	5649	10	ADB54126	Pretreat	225	50.6	7.9	546	3	AAC48312
	153	52.2	8.2	5649	10	ADB54254	Pretreat	226	50.6	7.9	546	3	AAC48413
	154	52.2	8.2	18011	6	ADe84108	Human lym	227	50.6	7.9	572	3	ADM45116
	161	52.2	8.2	18434	6	ADL34006	Human imm	c 233	50.6	7.9	681	6	Abq65767
	162	52.2	8.2	37515	6	ABQ66998	Human ang	235	50.6	7.9	724	6	ABK30640
	163	52	8.2	6175	13	ADBS89424	Oligonucle	236	50.6	7.9	724	6	ABD44943
	164	52	8.2	9084	6	ABU33605	Human imm	237	50.6	7.9	727	11	ADM44972
	165	52	8.2	13449	6	ABU3384	Human imm	238	50.6	7.9	727	11	ADM45551
	166	52	8.2	14551	6	ABU34585	Human met	239	50.6	7.9	727	11	ADM45551

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c	93	60	9.4	172777	2	CR847809	Danio rer	Continuation (2 of	
c	94	59	9.4	211448	2	CR392346	Danio rer	Continuation (3 of	
c	95	59	9.4	162810	2	CR392028	Danio rer	Continuation (2 of	
c	96	59	9.4	233491	2	CR762394	Danio rer	CR391970	
c	97	59	9.4	254133	3	AC117075	Dicystostele	Danio rer	
c	98	59	9.4	9.3	12592	6	AX251797	Sequence	CR388110
c	99	59	9.4	9.3	80216	2	AC139363	Homo sapi	Danio rer
c	100	59	9.4	9.3	778	8	M15235	Tomato	Plasmodiu
c	101	59	9.4	9.3	1071	8	PVTRBCS0	RubBP	Sequence
c	102	59	9.4	9.3	1386	8	X57022	P. vulgaris	AF044396
c	103	59	9.4	9.3	1454	8	STPRBCS2C	S. tuberosum	Flaveria
c	104	59	9.4	9.3	99803	2	X05982	Tomato	AC027417
c	105	59	9.4	9.3	254449	3	AL390756	Homo sapi	Homo sapi
c	106	59	9.4	9.3	256679	3	AE014817	Plasmodiu	CR847334
c	107	58	9.4	9.2	251	8	AC116982	Dicystostele	Danio rer
c	108	58	9.4	9.2	761	8	PETRBC	M15236	
c	109	58	9.4	9.2	840	8	CNS018QK	X69762	
c	110	58	9.4	9.2	844	8	LERBCS1	S. tuberosum	CR847334
c	111	58	9.4	9.2	961	8	AY231448	Arabidops	AB014827
c	112	58	9.4	9.2	1594	8	GHRBCS	X54091	
c	113	58	9.4	9.2	249338	2	BX050505	G. hirsutum	AX345250
c	114	58	9.4	9.2	181557	2	CR847945	Danio rer	Sequence
c	115	58	9.4	9.2	9760	6	AX251852	Plantago	AX344270
c	116	58	9.4	9.2	9760	6	AX344238	Botrytis	Sequence
c	117	58	9.4	9.2	9760	6	AY231448	Arabidops	AX344270
c	118	58	9.4	9.2	61864	8	AX348629	Sequence	Sequence
c	119	58	9.4	9.2	723	8	CEY508A	Al2660	
c	120	58	9.4	9.1	1598	8	SLARBCS	Stellaria 1	Sequence
c	121	58	9.4	9.1	210548	2	STPRBCS3	X69763	
c	122	58	9.4	9.1	753	8	CR751608	S. tuberosum	Continuation (9 of
c	123	57	9.4	9.1	782	8	AF139469	Danio rer	CR589347
c	124	57	9.4	9.1	824	8	AY231454	Vigna rad	Danio rer
c	125	58	9.4	9.1	7131	6	AX252062	Arabidops	AC001372
c	126	58	9.4	9.1	7131	6	AX344446	Sequence	Plasmodiu
c	127	58	9.4	9.1	25757	3	AE014837	Plasmodiu	BT013023
c	128	57	9.4	9.1	753	8	FPU29936	Flaveria pr	LYCOPERS
c	129	57	9.4	9.1	131182	9	AL672277	Human DNA	X05983
c	130	57	9.4	9.1	169894	2	CR762466	Danio rer	Tomato rbcS
c	131	57	9.4	9.1	169894	2	AE014847	Plasmodiu	Sequence
c	132	57	9.4	9.0	152650	3	AX348059	Sequence	Sequence
c	133	57	9.4	9.0	17848	6	AX323550	Plasmodiu	Sequence
c	134	57	9.4	9.0	17848	6	AX348363	Sequence	Sequence
c	135	57	9.4	9.0	156035	5	BX050364	Sequence	Sequence
c	136	57	9.4	9.0	18186	2	PETRBCS08	Zebrafish	Sequence
c	137	57	9.4	9.0	156551	2	CR751546	Danio rer	Sequence
c	138	57	9.4	9.0	191717	2	CR318606	Danio rer	Sequence
c	139	57	9.4	9.0	227073	2	CR846086	Danio rer	Sequence
c	140	57	9.4	9.0	250663	3	AE014826	Danio rer	Sequence
c	141	56	9.4	9.0	2242	8	PETRBCS08	X03820	
c	142	57	9.4	9.0	5424	6	AX345756	Petunia x h	Leishmani
c	143	57	9.4	9.0	217063	2	CR749178	Danio rer	Sequence
c	144	56	9.4	8.9	16067	6	AX344681	Danio rer	Sequence
c	145	56	9.4	8.9	17827	2	CR392006	Rattus no	Sequence
c	146	56	9.4	8.9	546	8	POTRBCS	Danio rer	Sequence
c	147	56	9.4	8.9	724	2	FP029938	Flaveria pr	Sequence
c	148	56	9.4	8.9	1078	3	AB095968	Leishmani	Sequence
c	149	56	9.4	8.9	1703	8	STPRBCS2B	X69761	
c	150	56	9.4	8.9	16057	2	AX344681	S. tuberosum	Sequence
c	151	56	9.4	8.9	147984	2	AC141987	Danio rer	Sequence
c	152	56	9.4	8.9	148878	2	CR759816	Danio rer	Sequence
c	153	56	9.4	8.9	186919	2	CR631129	Danio rer	Sequence
c	154	56	9.4	8.9	192939	2	AC005505	Plasmodiu	Sequence
c	155	56	9.4	8.9	223904	2	CR759864	Danio rer	Sequence
c	156	56	9.4	8.9	16057	2	AE014829	Plasmodiu	Sequence
c	157	56	9.4	8.9	250713	3	AB014850	Plasmodiu	Sequence
c	158	56	9.4	8.9	256172	2	AC005139	Plasmodiu	Sequence
c	159	56	9.4	8.9	589	2	AY618917	Apis mell	Sequence
c	160	56	9.4	8.9	174012	2	CR847512	Danio rer	Sequence
c	161	56	9.4	8.9	20788	2	CR405694	Danio rer	Flaveria
c	162	56	9.4	8.9	337203	3	CR382401	Plasmodiu	AF044338
c	163	56	9.4	8.9	349980	6	AX344560	Sequence	AF044399
c	164	56	9.4	8.9	15387	6	AX345086	Sequence	AF044397

c	166	56	9.4	110000	2	PFMAL7P1_01	Homosapiens	Continuation (2 of	
c	167	56	9.4	110000	3	AC116355_1	Homosapiens	Continuation (3 of	
c	168	56	9.4	110000	3	CR391970	Danio rer	Continuation (2 of	
c	169	56	9.4	180861	2	CR388110	Danio rer	Continuation (2 of	
c	170	56	9.4	193319	2	AE014843	Danio rer	Continuation (2 of	
c	171	56	9.4	271546	3	AX344563	Danio rer	Continuation (2 of	
c	172	56	9.4	349980	6	AX344563	Danio rer	Continuation (2 of	
c	173	56	9.4	574	8	AF044396	Danio rer	Continuation (2 of	
c	174	56	9.4	153943	2	AC027417	Danio rer	Continuation (2 of	
c	175	56	9.4	157544	9	AC098590	Danio rer	Continuation (2 of	
c	176	56	9.4	205544	2	CR847834	Danio rer	Continuation (2 of	
c	177	56	9.4	254346	3	AB014827	Danio rer	Continuation (2 of	
c	178	56	9.4	490	11	G73713	Danio rer	Continuation (2 of	
c	179	56	9.4	599	8	TOMRBCS8	Danio rer	Continuation (2 of	
c	180	56	9.4	742	8	TOMRBCSE	Danio rer	Continuation (2 of	
c	181	56	9.4	844	8	PPYRBCCO	Danio rer	Continuation (2 of	
c	182	56	9.4	1097	8	BT013023	Danio rer	Continuation (2 of	
c	183	56	9.4	2776	8	LERBCS2	Danio rer	Continuation (2 of	
c	184	55	9.4	5145	6	AX281353	Danio rer	Continuation (2 of	
c	185	55	9.4	8145	6	AX345250	Danio rer	Continuation (2 of	
c	186	55	9.4	10205	6	AX344270	Danio rer	Continuation (2 of	
c	187	55	9.4	10205	6	AX348667	Danio rer	Continuation (2 of	
c	188	55	9.4	333321	3	AC1163986	Dicystostele	Continuation (2 of	
c	189	55	9.4	877	12029	3	AB001372	Dicystostele	Continuation (2 of
c	190	55	9.4	12237	6	AX347260	Dicystostele	Continuation (2 of	
c	191	55	9.4	14924	6	AX281279	Dicystostele	Continuation (2 of	
c	192	55	9.4	196149	2	AX345126	Dicystostele	Continuation (2 of	
c	193	55	9.4	110000	2	PFMAL13_08	Dicystostele	Continuation (2 of	
c	194	55	9.4	165565	2	CR589347	Danio rer	Continuation (2 of	
c	195	55	9.4	165565	2	AY160098	Dicystostele	Continuation (2 of	
c	196	55	9.4	176794	2	AC004688	Dicystostele	Continuation (2 of	
c	197	55	9.4	170832	2	CR376769	Danio rer	Continuation (2 of	
c	198	55	9.4	174992	9	AC148566	Dicystostele	Continuation (2 of	
c	199	55	9.4	175650	3	AE014847	Danio rer	Continuation (2 of	
c	200	55	9.4	175650	3	CLPRBC	Danio rer	Continuation (2 of	
c	201	55	9.4	166552	2	X31640	Danio rer	Continuation (2 of	
c	202	55	9.4	166552	2	AY160098	Dicystostele	Continuation (2 of	
c	203	55	9.4	17054	3	AX345793	Dicystostele	Continuation (2 of	
c	204	55	9.4	17054	3	CR394658	Danio rer	Continuation (2 of	
c	205	55	9.4	175022	3	AE014847	Danio rer	Continuation (2 of	
c	206	55	9.4	175022	3	AX345793	Dicystostele	Continuation (2 of	
c	207	55	9.4	175330	5	AL954307	Danio rer	Continuation (2 of	
c	208	55	9.4	175575	5	AL954307	Zebrafish	Continuation (2 of	
c	209	55	9.4	175575	5	AL691515	Human DNA	Continuation (2 of	
c	210	55	9.4	176220	6	CR382359	Melanoplus	Continuation (2 of	
c	211	55	9.4	176220	6	AY618916	Danio rer	Continuation (2 of	
c	212	55	9.4	176330	2	CR847885	Danio rer	Continuation (2 of	
c	213	55	9.4	177575	5	AL954307	Danio rer	Continuation (2 of	
c	214	55	9.4	178182	6	AY618916	Danio rer	Continuation (2 of	
c	215	55	9.4	178174	3	CR382359	Danio rer	Continuation (2 of	
c	216	55	9.4	19659	6	AY618916	Danio rer	Continuation (2 of	
c	217	55	9.4	177867	2	CR847885	Danio rer	Continuation (2 of	
c	218	55	9.4	177867	2	CR450840	Danio rer	Continuation (2 of	
c	219	55	9.4	178047	2	CR376763	Danio rer	Continuation (2 of	
c	220	55	9.4	178047	2	AF303940	Danio rer	Continuation (2 of	
c	221	55	9.4	178206	14	AF063866	Danio rer	Continuation (2 of	
c	222	55	9.4	178206	2	CR753984	Danio rer	Continuation (2 of	
c	223	55	9.4	178206	2	AL954307	Danio rer	Continuation (2 of	
c	224	55	9.4	178582	3	PFMAL4P1	Danio rer	Continuation (2 of	
c	225	55	9.4	179054	2	CR450840	Danio rer	Continuation (2 of	
c	226	55	9.4	179054	2	MSCARB	Danio rer	Continuation (2 of	
c	227	55							

result	No.	Score	Query	Match	Length	DB	ID	Description
1	635.4	99.7	AR225313	AR225313	Sequence	AR438378	AR438378	AR438378 Sequence
2	635.4	99.7	AR438378	AR491631	Sequence	AR491631	AR491631	AR491631 Sequence
3	635.4	99.7	AR491631	BD062173	Expressio	BD062173	BD062173	BD062173 Expressio
4	635.4	99.7	BD062173	AR225314	Sequence	AR225314	AR225314	AR225314 Sequence
5	635.4	99.7	AR225314	AR438379	Sequence	AR438379	AR438379	AR438379 Sequence
6	635.4	99.7	AR438379	AR491632	Sequence	AR491632	AR491632	AR491632 Sequence
7	635.4	99.7	AR491632	BD062174	Expressio	BD062174	BD062174	BD062174 Expressio
8	635.4	99.7	BD062174	PSRC01	Sequence	PSRC01	PSRC01	PSRC01 Sequence
9	633	99.4	PSRC01	AR143712	Pea gene fo	AR143712	AR143712	AR143712 Pea gene fo
10	633	99.4	AR143712	AR143709	Sequence	AR143709	AR143709	AR143709 Sequence
11	633	99.4	AR143709	BD008400	Glyphosat	BD008400	BD008400	BD008400 Glyphosat
12	633	99.4	BD008400	AR143713	Sequence	AR143713	AR143713	AR143713 Sequence
13	633	99.4	AR143713	BD008404	Glyphosat	BD008404	BD008404	BD008404 Glyphosat
14	633	99.4	BD008404	AR143712	Sequence	AR143712	AR143712	AR143712 Sequence
15	633	99.4	AR143712	BD008403	Glyphosat	BD008403	BD008403	BD008403 Glyphosat
16	633	99.4	BD008403	AX052539	Sequence	AX052539	AX052539	AX052539 Sequence
17	632	99.2	AX052539	AX463287	Sequence	AX463287	AX463287	AX463287 Sequence
18	631.4	99.1	AX463287	CR753868	Danio rer	CR753868	CR753868	CR753868 Danio rer
19	631.4	99.1	CR753868	CR387986	Danio rer	CR387986	CR387986	CR387986 Danio rer
20	628.2	98.6	CR387986	AB086433	Syntheti	AB086433	AB086433	AB086433 Synthetic
21	548.4	86.1	AB086433	PSRBCS2	Sequence	PSRBCS2	PSRBCS2	PSRBCS2 Sequence
22	299.2	47.0	PSRBCS2	AF294981	Binary v	AF294981	AF294981	AF294981 Binary v
23	299.2	47.0	AF294981	AF294982	Binary v	AF294982	AF294982	AF294982 Binary v
24	299.2	47.0	AF294982	AF294987	Binary v	AF294987	AF294987	AF294987 Binary v
25	299.2	47.0	AF294987	AF294980	Plant ex	AF294980	AF294980	AF294980 Plant ex
26	296.8	46.6	AF294980	AF309845	Plant DN	AF309845	AF309845	AF309845 Plant DN
27	296.8	46.6	AF309845	AF303636	Plant DN	AF303636	AF303636	AF303636 Plant DN
28	282	44.3	AF303636	CO860281	Sequence	CO860281	CO860281	CO860281 Sequence
29	225.8	35.4	CO860281	J01257	Pea (P. sati	J01257	J01257	J01257 Pea (P. sati
30	195.6	30.7	J01257	AB086434	Syntheti	AB086434	AB086434	AB086434 Synthetic
31	195.6	30.7	AB086434	AB086433	Pisum sativ	AB086433	AB086433	AB086433 Pisum sativ
32	194.6	30.5	AB086433	X04333	Pea rbcS-3A	X04333	X04333	X04333 Pea rbcS-3A
33	187.4	29.4	X04333	I19656	Sequence 4	I19656	I19656	I19656 Sequence 4
34	140	22.0	I19656	CO857616	Sequence	CO857616	CO857616	CO857616 Sequence
35	140	22.0	CO857616	CQ857612	Sequence	CQ857612	CQ857612	CQ857612 Sequence
36	119.6	18.8	CQ857612	X96847	M. sativa Rb	X96847	X96847	X96847 M. sativa Rb
37	105.4	16.5	X96847	MSRBCSK1A	Sequence	MSRBCSK1A	MSRBCSK1A	MSRBCSK1A Sequence
38	105.4	16.5	MSRBCSK1A	PEARBC	Sequence	PEARBC	PEARBC	PEARBC Sequence
39	92	14.4	PEARBC	AJ131050	Cicer ari	AJ131050	AJ131050	AJ131050 Cicer ari
40	74.4	11.7	AJ131050	CR131105	Sequence	CR131105	CR131105	CR131105 Sequence
41	71.4	11.2	CR131105	AR014744	Sequence	AR014744	AR014744	AR014744 Sequence
42	71.4	11.2	AR014744	AR022680	Sequence	AR022680	AR022680	AR022680 Sequence
43	71	11.1	AR022680	AX528400	Sequence	AX528400	AX528400	AX528400 Sequence
44	65.8	10.3	AX528400	CR792429	Danio rer	CR792429	CR792429	CR792429 Danio rer
45	65.6	10.3	CR792429	X53954	T. repens mR	X53954	X53954	X53954 T. repens mR
46	65.6	10.3	X53954	X52293	White clove	X52293	X52293	X52293 White clove
47	65.2	10.2	X52293	AY220079	Nicotiana	AY220079	AY220079	AY220079 Nicotiana
48	64.8	10.2	AY220079	BX890543	Danio rer	BX890543	BX890543	BX890543 Danio rer
49	64.6	10.1	BX890543	CR401564	Plasmidu	CR401564	CR401564	CR401564 Plasmidu
50	64.4	10.1	CR401564	BT012936	Lycopersic	BT012936	BT012936	BT012936 Lycopersic
51	64.4	10.1	BT012936	X05986	Tomato rbcS	X05986	X05986	X05986 Tomato rbcS
52	64.4	10.1	X05986	AP006376	Lotus cor	AP006376	AP006376	AP006376 Lotus cor
53	64.4	10.1	AP006376	CR848044	Danio rer	CR848044	CR848044	CR848044 Danio rer
54	64	10.0	CR848044	CR847989	Danio rer	CR847989	CR847989	CR847989 Danio rer
55	64	10.0	CR847989	AE01849	Danio rer	AE01849	AE01849	AE01849 Danio rer
56	63.6	10.0	AE01849	BT012936	Plasmidu	BT012936	BT012936	BT012936 Plasmidu
57	63	9.9	BT012936	AY163904	Chrysanth	AY163904	AY163904	AY163904 Chrysanth
58	62.6	9.8	AY163904	CR381548	Danio rer	CR381548	CR381548	CR381548 Danio rer
59	62.4	9.8	CR381548	CR848044	Danio rer	CR848044	CR848044	CR848044 Danio rer
60	62.4	9.8	CR848044	CR847989	Danio rer	CR847989	CR847989	CR847989 Danio rer
61	62.4	9.8	CR847989	CR847821	Danio rer	CR847821	CR847821	CR847821 Danio rer
62	62.4	9.8	CR847821	X59999	P. vulgaris	X59999	X59999	X59999 P. vulgaris
63	62	9.7	X59999	M36685	N. plumbagin	M36685	M36685	M36685 N. plumbagin
64	62	9.7	M36685	CR792436	Danio rer	CR792436	CR792436	CR792436 Danio rer
65	61.8	9.7	CR792436	AC145221	Medicago	AC145221	AC145221	AC145221 Medicago
66	61.6	9.7	AC145221	AC161517	Danio rer	AC161517	AC161517	AC161517 Danio rer
67	61.6	9.7	AC161517	CR847821	Danio rer	CR847821	CR847821	CR847821 Danio rer
68	61.6	9.7	CR847821	X59999	P. vulgaris	X59999	X59999	X59999 P. vulgaris
69	61.6	9.7	X59999	CR792436	Danio rer	CR792436	CR792436	CR792436 Danio rer
70	61.6	9.7	CR792436	AC122884	Mus muscu	AC122884	AC122884	AC122884 Mus muscu
71	61.6	9.7	AC122884	AC125567	Rattus no	AC125567	AC125567	AC125567 Rattus no
72	61.6	9.7	AC125567	CR78311	Danio rer	CR78311	CR78311	CR78311 Danio rer
73	61.6	9.6	CR78311	X69760	S. tuberosum	X69760	X69760	X69760 S. tuberosum
74	61.4	9.6	X69760	AX345500	Sequence	AX345500	AX345500	AX345500 Sequence
75	61.4	9.6	AX345500	M13544	Tomato (L. e	M13544	M13544	M13544 Tomato (L. e
76	61.4	9.6	M13544	CR391925	Danio rer	CR391925	CR391925	CR391925 Danio rer
77	61.2	9.6	CR391925	AF411547	Medicago	AF411547	AF411547	AF411547 Medicago
78	61	9.6	AF411547	AF056315	Danio rer	AF056315	AF056315	AF056315 Danio rer
79	61	9.6	AF056315	AL923355	Arabidop	AL923355	AL923355	AL923355 Arabidop
80	61	9.6	AL923355	X69760	Plasmidu	X69760	X69760	X69760 Plasmidu
81	60.8	9.5	X69760	AX345598	Sequence	AX345598	AX345598	AX345598 Sequence
82	60.6	9.5	AX345598	CR391925	Danio rer	CR391925	CR391925	CR391925 Danio rer
83	60.4	9.5	CR391925	AF411547	Medicago	AF411547	AF411547	AF411547 Medicago
84	60.4	9.5	AF411547	CR78311	Danio rer	CR78311	CR78311	CR78311 Danio rer
85	60.4	9.5	CR78311	PFA923355	Sequence	PFA923355	PFA923355	PFA923355 Sequence
86	60.4	9.5	PFA923355	CR78311	Danio rer	CR78311	CR78311	CR78311 Danio rer
87	60.2	9.5	CR78311	X01722	Nicotiana s	X01722	X01722	X01722 Nicotiana s
88	60	9.4	X01722	CR391925	Danio rer	CR391925	CR391925	CR391925 Danio rer
89	60	9.4	CR391925	AC116557	Medicago	AC116557	AC116557	AC116557 Medicago
90	60	9.4	AC116557	CR753868	Danio rer	CR753868	CR753868	CR753868 Danio rer
91	60	9.4	CR753868	CR387986	Danio rer	CR387986	CR387986	CR387986 Danio rer